



Carbon Group

PRODUCT RANGE **SPECIFICATIONS**

**HPLC
GRADE**



**AR
GRADE**



**GPR
GRADE**



**ANHYDROUS
GRADE**



**ACIDS/BASES
GRADE**



**WATER
GRADE**



For further information please visit www.carbon.ie or contact our sales team T: +353 (0)21 4378 988 E: sales@carbon.ie

ACETONE

CHEMICAL NAME	Acetone, HPLC Grade
CAS NUMBER	67-64-1
EC NUMBER	200-662-2
MOLECULAR FORMULA	C ₃ H ₆ O
RELATIVE MOLECULAR WEIGHT	58.08
BOILING POINT	56.2°C (1013 hPa)
DENSITY	0.791 @ 20°C
REFRACTIVE INDEX	1.3591
UN NUMBER	1090

Specifications

ASSAY (BY GC)	99.90 % min (dry basis)
ACIDITY AS CH ₃ COOH	20 ppm max
APPEARANCE	Clear & free of suspended matter
WATER	2000 ppm max
RESIDUE ON EVAPORATION	2 ppm max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
335	50
340	85
350	98
355	99

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE IRRITANT
R11, 36, 66, 67 S9,16,26

HPLCGRADE

ACETONITRILE - S GRADIENT

CHEMICAL NAME	Acetonitrile, (Methyl cyanide), HPLC-S GG
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6°C (1013 hPa)
DENSITY	0.782 @ 20°C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (BY GC)	99.95 % min
COLOR (APHA)	5 max
ACIDITY AS CH ₃ COOH	0.002% max
ALKALINITY (as NH ₃)	0.0002% max
WATER (KF)	0.02% max
RESIDUE ON EVAPORATION	0.0002% max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
193	60
195	80
200	95
220	98
230	98
254	99

Ultraviolet: (1 cm quartz cells versus deionised water)

LC-Gradient elution test:

Highest peak: 210 nm 0.002 AU max / 254 nm 0.0005 AU max
Drift: 210 nm 0.01AU max / 254 nm 0.003 AU max
Fluorescence as quinine: 254 nm 0.5 ppb max / 365 nm 0.5 ppb max
Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE HARMFUL
R11,20/21/22, 36 S16,36/37

HPLCGRADE

ACETONITRILE

CHEMICAL NAME	Acetonitrile, (Methyl cyanide), HPLC G
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6°C (1013 hPa)
DENSITY	0.782 @ 20°C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (BY GC)	99.90 % min
ACIDITY AS CH ₃ COOH	0.008 mEq/g max
ALKALINITY	0.0006 mEq/g max
APPEARANCE	Clear and free of suspended matter
WATER	50 ppm max
RESIDUE ON EVAPORATION	2 ppm max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
200	92
210	95
220	98
254	99

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE HARMFUL
R11,20/21/22, 36 S16,36/37

HPLCGRADE

CYCLOHEXANE

CHEMICAL NAME	Cyclohexane, HPLC
CAS NUMBER	110-82-7
EC NUMBER	203-806-2
CHEMICAL FORMULA	C ₆ H ₁₂
RELATIVE MOLECULAR WEIGHT	84.16
BOILING POINT	80.56°C (1013 hPa)
FLASH POINT	-17°C
DENSITY	0.778 @ 20°C
REFRACTIVE INDEX	1.4264
UN NUMBER	1145

Specifications

ASSAY (BY GC on anhydr.basis)	99.80 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002% max
WATER (KF)	0.01% max
RESIDUE ON EVAPORATION	0.0002% max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
335	50
340	80
350	98
355	99

Ultraviolet: (1 cm quartz cells versus deionised water)

Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,50/53,65,67 S9,16,33,60,61,62

HPLCGRADE

ETHANOL ABSOLUTE

CHEMICAL NAME	Ethyl Alcohol, HPLC
CAS NUMBER	64-17-5
EC NUMBER	200-578-6
CHEMICAL FORMULA	C ₂ H ₅ O
RELATIVE MOLECULAR WEIGHT	46.04
BOILING POINT	78°C (1013 hPa)
DENSITY	0.79 @ 20°C
UN NUMBER	1170

Specifications

ASSAY (BY GC, on anhydr.basis)	99.9 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002% max
WATER (KF)	0.1% max
RESIDUE ON EVAPORATION	0.0005% max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
210	35
240	85
260	98

Ultraviolet: (1 cm quartz cells versus deionised water)

HPLC-Gradient elution test:

HIGHEST PEAK	
at 235 nm	0.005 AU max
at 254 nm	0.002 AU max

Filtered through 0.2µ PTFE. Bottled under inert gas



HARMFUL
R11 S7,9,16

HPLCGRADE

Carbon Group



HPLC RANGE (page 1 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

ETHYL ACETATE

CHEMICAL NAME	Ethyl Acetate, Ethyl Ethanoate, HPLC G
CAS NUMBER	141-78-6
EC NUMBER	205-500-4
MOLECULAR FORMULA	C ₄ H ₈ O ₂
RELATIVE MOLECULAR WEIGHT	88.1
BOILING POINT	77°C (1013hPa)
DENSITY	0.902 @ 20°C
REFRACTIVE INDEX	1.3719
UN NUMBER	1173

Specifications

ASSAY (BY GC)	99.80% min
ACIDITY AS CH ₃ COOH	0.005 max mass %
APPEARANCE	Clear and free of suspended matter
COLOUR PT-CO	5 max
WATER	200 ppm max
RESIDUE ON EVAPORATION	20 ppm max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
260	70
270	90
280	95
300	99

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE IRRITANT
R11, 36, 66, 67 S9,16,26

HPLC GRADE

METHANOL

CHEMICAL NAME	Methanol, HPLC Grade
CAS NUMBER	67-56-1
EC NUMBER	200-659-6
MOLECULAR FORMULA	CH ₃ OH
RELATIVE MOLECULAR WEIGHT	32.04
BOILING POINT	64.6°C (1013 hPa)
DENSITY	0.7915 @ 20°C
REFRACTIVE INDEX	1.3288
UN NUMBER	1230

Specifications

ASSAY (BY GC)	99.90 % min
ACIDITY AS CH ₃ COOH	10 ppm max
ALKALINITY (AS NH ₃)	10 ppm max
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	5 ppm max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
210	65
220	75
230	90
240	98
250	99

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE TOXIC
R11, 23/24/25, 39/23/24/25 S7, 16, 36/37, 45

HPLC GRADE

METHANOL - S GRADIENT

CHEMICAL NAME	Methanol, HPLC Supra-Gradient
CAS NUMBER	67-56-1
EC NUMBER	200-659-6
MOLECULAR FORMULA	CH ₃ OH
RELATIVE MOLECULAR WEIGHT	32.04
BOILING POINT	64.6°C (1013 hPa)
DENSITY	0.7915 @ 20°C
REFRACTIVE INDEX	1.3288
UN NUMBER	1230

Specifications

ASSAY (BY GC)	99.95 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002% max
WATER (KF)	0.03% max
RESIDUE ON EVAPORATION	0.0002% max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
210	40
235	85
260	98

Ultraviolet: (1 cm quartz cells versus deionised water)

LC-Gradient elution test

HIGHEST PEAK	
at 235 nm	0.002 AU max
at 254 nm	0.001 AU max

Fluorescence as quinine

at 254 nm	1 ppb max
at 265 nm	0.5 ppb max



HIGHLY FLAMMABLE TOXIC
R11, 23/24/25, 39/23/24/25 S7, 16, 36/37, 45

HPLC GRADE

N-HEPTANE 96%

CHEMICAL NAME	n-Heptane 96%, HPLC Grade
CAS NUMBER	142-82-5
EC NUMBER	205-563-8
CHEMICAL FORMULA	C ₇ H ₁₆
RELATIVE MOLECULAR WEIGHT	100.21
BOILING POINT	92 - 99°C (1013 hPa)
FLASH POINT	- 4°C
AUTOIGNITION TEMPERATURE	250°C
DENSITY	0.684 @ 20°C
REFRACTIVE INDEX	1.3876
UN NUMBER	1206

Specifications

ASSAY (BY GC)	96 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002 % max
WATER (KF)	0.01 % max
RESIDUE ON EVAPORATION	0.0005 % max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
200	20
210	45
220	80
250	98

Ultraviolet: (1 cm quartz cells versus deionised water)

Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,50/53,65,67 S9,16,29,33,60,61,62

HPLC GRADE

N-HEXANE 96%

CHEMICAL NAME	n-Hexane 96%, HPLC Grade
CAS NUMBER	110-54-3 (n-hexane)
EC NUMBER	203-777-6
CHEMICAL FORMULA	CH ₂ (CH ₂) ₄ CH ₃ n-hexane
RELATIVE MOLECULAR WEIGHT	86.18
BOILING POINT	- 68°C (1013 hPa)
FLASH POINT	-22°C
DENSITY	225°C
UN NUMBER	1208

Specifications

ASSAY (BY GC)	96 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002 % max
WATER (KF)	0.005 % max
RESIDUE ON EVAPORATION	0.0003 % max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
200	25
210	50
220	85
245	98

Ultraviolet: (1 cm quartz cells versus deionised water)

Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,48/20,38,51/53,62,65,67 S9,16,29,33,36/37,61,62

HPLC GRADE

Carbon Group



HPLC RANGE (page 2 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

PETROLEUM ETHER 40/60

CHEMICAL NAME	Petroleum Ether 40/60, HPLC G
CAS NUMBER	64742-49-0
EC NUMBER	265-151-9
BOILING RANGE	40 - 60 °C (1013hPa)
FLASH POINT	-30 °C
AUTOIGNITION TEMPERATURE	250 °C
UN NUMBER	1268

Specifications

COLOUR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002 % max
WATER (KF)	0.005 % max
RESIDUE ON EVAPORATION	0.0003 % max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
200	10
220	75
270	98

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,48/20,38,51/53,62,65,67 S9,16,29,33,36/37,61,62

HPLCGRADE

PROPAN-2-OL

CHEMICAL NAME	Propan-2-ol, (Isopropanol, IPA), HPLC G
CAS NUMBER	67-63-0
EC NUMBER	200-661-7
MOLECULAR FORMULA	C ₃ H ₈ O
RELATIVE MOLECULAR WEIGHT	60.1
BOILING POINT	82.5 °C (1013 hPa)
DENSITY	0.785 @ 20 °C
REFRACTIVE INDEX	1.3772
UN NUMBER	1219

Specifications

ASSAY (BY GC)	99.80 % min
ACIDITY AS CH ₃ COOH	0.001 max mass %
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	10 ppm max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
220	60
230	80
240	95
250	98
260	99

Ultraviolet: (1 cm quartz cells versus deionised water)



HIGHLY FLAMMABLE IRRITANT
R11,36,67 S7,16,24/25,26

HPLCGRADE

TETRAHYDROFURAN UNSTABILISED

CHEMICAL NAME	Tetrahydrofuran, unstabilised, HPLC G
CAS NUMBER	109-99-9
EC NUMBER	203-726-8
MOLECULAR FORMULA	C ₄ H ₈ O
RELATIVE MOLECULAR WEIGHT	72.11
INITIAL BOILING POINT	66 °C (1013 hPa)
DENSITY	0.89 @ 20 °C
UN NUMBER	2056

Specifications

ASSAY (BY GC)	99.8 % min
COLOUR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.003 % max
WATER (KF)	0.03 % max
RESIDUE ON EVAPORATION	0.0003 % max
PEROXIDE (AT BOTTLING)	0.01 % max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
230	30
270	88
310	99

Ultraviolet: (1 cm quartz cells versus deionised water)

Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE IRRITANT
R11,19,36/37 S16,29,33

HPLCGRADE

TOLUENE

CHEMICAL NAME	Toluene, Methylbenzene, Phenylmethane, HPLC Grade
CAS NUMBER	108-88-3
EC NUMBER	203-625-9
MOLECULAR FORMULA	C ₇ H ₈
RELATIVE MOLECULAR WEIGHT	92.14
INITIAL BOILING POINT	110.6 °C (1013 hPa)
FLASH POINT	4 to 6 °C
DENSITY	0.867 @ 20 °C
REFRACTIVE INDEX	1.4967
UN NUMBER	1294

Specifications

ASSAY (BY GC)	99.80 % min
COLOR (APHA)	15 max
ACIDITY AS CH ₃ COOH	0.003 % max
WATER (KF)	0.01 % max
RESIDUE ON EVAPORATION	0.0003 % max

Transmission characteristics

WAVELENGTH (nm)	TRANSMISSION (% min)
292	60
300	80
350	98

Ultraviolet: (1 cm quartz cells versus deionised water)

Filtered through 0.2µ PTFE. Bottled under inert gas



HIGHLY FLAMMABLE HARMFUL
R11,38,48/20,63,65,67 S36/37,46,62

HPLCGRADE

Carbon Group



HPLC RANGE (page 3 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

ACETONE

CHEMICAL NAME	Acetone, Analar Grade
CAS NUMBER	67-64-1
EC NUMBER	200-662-2
MOLECULAR FORMULA	C ₃ H ₆ O
RELATIVE MOLECULAR WEIGHT	58.08
BOILING POINT	56.2 °C (1013 hPa)
DENSITY	0.791 @ 20 °C
REFRACTIVE INDEX	1.3591
UN NUMBER	1090

Specifications

ASSAY (BY GC):	99.80 % min
ACIDITY AS CH ₃ COOH	20 ppm max
APPEARANCE	Clear and free of suspended matter
WATER	3000 ppm max
RESIDUE ON EVAPORATION	5 ppm max
METHANOL AND ETHANOL	200 ppm max
DAA	120 ppm max
BENZENE	0.8 ppm max
MEK	20 ppm max



HIGHLY FLAMMABLE IRRITANT
R11.36.66.67 S916.26

ARGRADE

ACETONITRILE

CHEMICAL NAME	Acetonitrile, (Methyl cyanide), Analar Grade
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6 °C (1013 hPa)
DENSITY	0.782 @ 20 °C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (BY GC):	99.50 % min
ACIDITY AS CH ₃ COOH	0.008 mEq/g max
APPEARANCE	Clear and free of suspended matter
WATER	0.10 % max
RESIDUE ON EVAPORATION	0.0010 % max



HIGHLY FLAMMABLE HARMFUL
R11.20.21/22.36 S16.36/37

ARGRADE

CYCLOHEXANE

CHEMICAL NAME	Cyclohexane, Analar Grade
CAS NUMBER	110-82-7
EC NUMBER	203-806-2
CHEMICAL FORMULA	C ₆ H ₁₂
RELATIVE MOLECULAR WEIGHT	84.16
BOILING POINT	80.56 °C (1013 hPa)
FLASH POINT	-17 °C
DENSITY	0.778 @ 20 °C
REFRACTIVE INDEX	1.4264
UN NUMBER	1145

Specifications

ASSAY (BY GC)	99.80 % min
APPEARANCE	Clear and free of suspended matter
WATER	0.02 % max
RESIDUE ON EVAPORATION	20 ppm max
BENZENE	100 ppm max
AROMATICS	150 ppm max
METHYLCYCLOHEXANE	200 ppm max
SULPHUR	1 ppm max
NITROGEN	1 ppm max
CHLORIDE	1 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11.38.50/53.65.67 S916.25.33.60.61.62

ARGRADE

ETHYL ACETATE

CHEMICAL NAME	Ethyl Acetate, Ethyl Ethanoate, Analar Grade
CAS NUMBER	141-78-6
EC NUMBER	205-500-4
MOLECULAR FORMULA	C ₄ H ₈ O ₂
RELATIVE MOLECULAR WEIGHT	88.11
BOILING POINT	77 °C (1013 hPa)
DENSITY	0.902 @ 20 °C
REFRACTIVE INDEX	1.3719
UN NUMBER	1173

Specifications

ASSAY (BY GC)	99.80 % min
ACIDITY AS CH ₃ COOH	0.005 max mass %
APPEARANCE	Clear and free of suspended matter
COLOUR PT-CO	5 max
WATER	500 ppm max
RESIDUE ON EVAPORATION	100 ppm max



HIGHLY FLAMMABLE IRRITANT
R11.36.66.67 S16.26.33

ARGRADE

METHANOL

CHEMICAL NAME	Methanol, Analar Grade
CAS NUMBER	67-56-1
EC NUMBER	200-659-6
MOLECULAR FORMULA	CH ₃ OH
RELATIVE MOLECULAR WEIGHT	32.04
BOILING POINT	64.5 °C (1013 hPa)
DENSITY	0.7915 @ 20 °C
REFRACTIVE INDEX	1.3288
UN NUMBER	1230

Specifications

ASSAY (BY GC):	99.80 % min
ACIDITY AS CH ₃ COOH	10 ppm max
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE TOXIC
R11.23/24/25.39/23/24/25 S7.16.36/37.45

ARGRADE

METHYL ETHYL KETONE

CHEMICAL NAME	Methyl Ethyl Ketone, MEK, 2-Butanone, AR G
CAS NUMBER	78-93-3
EC NUMBER	201-159-0
CHEMICAL FORMULA	C ₅ H ₁₀ O
RELATIVE MOLECULAR WEIGHT	72.11
BOILING POINT	79.6 °C (1013 hPa)
FLASH POINT	9 °C open cup
AUTO-IGNITION TEMPERATURE	515 °C
DENSITY	0.805 @ 20 °C
REFRACTIVE INDEX	1.378
UN NUMBER	1193

Specifications

ASSAY (BY GC):	99.50 % min
ACIDITY AS CH ₃ COOH	0.002 % max
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE IRRITANT
R11.36.66.67 S916

ARGRADE

METHYL ISOBUTYL KETONE

CHEMICAL NAME	Methyl isobutyl ketone- Analar
CAS NUMBER	108-10-1
EC NUMBER	203-550-1
CHEMICAL FORMULA	C ₆ H ₁₂ O
RELATIVE MOLECULAR WEIGHT	100.16
BOILING POINT	117.4 °C
FLASH POINT	17 °C
AUTO-IGNITION TEMPERATURE	46 °C
DENSITY	0.801 g
REFRACTIVE INDEX	1.396
UN NUMBER	1245

Specifications

ASSAY (BY GC):	≥ 99 %
ACIDITY AS CH ₃ COOH	≤ 0.0002 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	≤ 0.1 %
RESIDUE ON EVAPORATION	≤ 10 ppm



HIGHLY FLAMMABLE HARMFUL
R11.20.36/37.66 S916.29

ARGRADE

n-BUTANOL

CHEMICAL NAME	n-Butanol, Butan-1-ol, AR Grade
CAS NUMBER	71-36-3
EC NUMBER	200-751-6
CHEMICAL FORMULA	C ₄ H ₁₀ O
RELATIVE MOLECULAR WEIGHT	74.12
BOILING POINT	117.7 °C (1013 hPa)
FLASH POINT	34 °C
AUTO-IGNITION TEMPERATURE	360 °C
DENSITY	0.810 @ 20 °C
REFRACTIVE INDEX	1.3993
UN NUMBER	1120

Specifications

ASSAY (BY GC)	99.00 % min
ACIDITY AS CH ₃ COOH	0.001 % max
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HARMFUL
R10.22.37/38.41.67 S7/9.13.26.37/39.46

ARGRADE

Carbon Group



AR RANGE (page 1 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

n-BUTYL ACETATE

CHEMICAL NAME	N-Butyl Acetate, butyl ethanoate, AR Grade
CAS NUMBER	123-86-4
EC NUMBER	204-658-1
MOLECULAR FORMULA	C ₈ H ₁₆ O ₂
RELATIVE MOLECULAR WEIGHT	116.16
BOILING POINT	126 °C (1013 hPa)
FLASH POINT	23 °C
DENSITY	0.882 @ 20 °C
REFRACTIVE INDEX	1.395
UN NUMBER	1123

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.01 % max
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	50 ppm max

R10-66-67 S25

ARGRADE

n-HEPTANE 95%

CHEMICAL NAME	n-Heptane 95%, Analar Grade
CAS NUMBER	142-82-5
EC NUMBER	205-563-8
CHEMICAL FORMULA	C ₇ H ₁₆
RELATIVE MOLECULAR WEIGHT	100.21
BOILING RANGE	92 - 99 °C (1013 hPa)
FLASH POINT	-4 °C
AUTOIGNITION TEMPERATURE	250 °C
DENSITY	0.684 @ 20 °C
REFRACTIVE INDEX	1.3876
UN NUMBER	1206

Specifications

ASSAY (BY GC)	95.00 % min
ACIDITY AS CH ₃ COOH	0.0003 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11.38.50/53.65.67 S916.29.33.60.61.62

ARGRADE

n-HEPTANE 99%

CHEMICAL NAME	n-Heptane 99%, Analar Grade
CAS NUMBER	142-82-5
EC NUMBER	205-563-8
CHEMICAL FORMULA	C ₇ H ₁₆
RELATIVE MOLECULAR WEIGHT	100.21
BOILING POINT	92 - 99 °C (1013 hPa)
FLASH POINT	-4 °C
AUTOIGNITION TEMPERATURE	250 °C
DENSITY	0.684 @ 20 °C
REFRACTIVE INDEX	1.3876
UN NUMBER	1206

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.0003 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11.38.50/53.65.67 S916.33.60.61.62

ARGRADE

n-HEXANE 95%

CHEMICAL NAME	n-Hexane 95%, Analar Grade
CAS NUMBER	110-54-3 (n-hexane)
EC NUMBER	203-777-6
CHEMICAL FORMULA	CH ₃ (CH ₂) ₄ CH ₃ n-hexane
RELATIVE MOLECULAR WEIGHT	86.18
BOILING POINT	68 °C (1013 hPa)
FLASH POINT	-22 °C
AUTO-IGNITION TEMPERATURE	225 °C
UN NUMBER	1208

Specifications

ASSAY (BY GC):	95.00 % min
ACIDITY AS CH ₃ COOH	0.0003 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11.48/20.38.51/53.62.65.67 S916.29.33.36/37.61.62

ARGRADE

n-HEXANE 99%

CHEMICAL NAME	n-Hexane 99%, Analar Grade
CAS NUMBER	110-54-3 (n-hexane)
EC NUMBER	203-777-6
MOLECULAR FORMULA	CH ₃ (CH ₂) ₄ CH ₃ n-hexane
RELATIVE MOLECULAR WEIGHT	86.18
BOILING POINT	68 °C (1013 hPa)
FLASH POINT	-22 °C
AUTO-IGNITION TEMPERATURE	225 °C
UN NUMBER	1208

Specifications

ASSAY (BY GC)	99.00 % min
ACIDITY AS CH ₃ COOH	0.0003 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11.48/20.38.51/53.62.65.67 S916.29.33.36/37.61.62

ARGRADE

n-PROPANOL

CHEMICAL NAME	N-Propanol, Propan-1-ol, AR Grade
CAS NUMBER	71-23-8
EC NUMBER	200-746-9
MOLECULAR FORMULA	C ₃ H ₈ O
RELATIVE MOLECULAR WEIGHT	60.1
BOILING RANGE	96.5 - 98 °C (1013 hPa)
FLASH POINT	15 °C
IGNITION TEMPERATURE	360 °C
DENSITY	0.8053 @ 20 °C
REFRACTIVE INDEX	1.3862
UN NUMBER	1274

Specifications

ASSAY (BY GC):	99.50 % min
ACIDITY AS CH ₃ COOH	0.001 % max
APPEARANCE	Clear and free of suspended matter
WATER	0.10 % max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE IRRITANT
R11.41.67 S716.24.26.39

ARGRADE

PETROLEUM ETHER 40/60

CHEMICAL NAME	Petroleum Ether 40/60, Analar Grade
CAS NUMBER	64742-49-0
EC NUMBER	265-151-9
BOILING RANGE	60 - 80 °C (1013hPa)
FLASH POINT	-30 °C
AUTO-IGNITION TEMPERATURE	250 °C
UN NUMBER	1268

Specifications

ACIDITY AS CH ₃ COOH	0.0001 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	≤ 0.01 %
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11-38-51/53-65-67 S16-23-24-61-62

ARGRADE

PETROLEUM ETHER 60/80

CHEMICAL NAME	Petroleum Ether 60/80, Analar Grade
CAS NUMBER	64742-49-0
EC NUMBER	265-151-9
BOILING RANGE	60 - 80 °C (1013hPa)
FLASH POINT	-30 °C
AUTO-IGNITION TEMPERATURE	250 °C
UN NUMBER	1268

Specifications

ACIDITY AS CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	200 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11-38-51/53-65-67 S16-23-24-61-62

ARGRADE

Carbon Group



AR RANGE (page 2 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

PROPAN-2-OL

CHEMICAL NAME	Propan-2-ol, (Isopropanol, IPA), Analar Grade
CAS NUMBER	67-63-0
EC NUMBER	200-661-7
MOLECULAR FORMULA	C ₃ H ₈ O
RELATIVE MOLECULAR WEIGHT	60.1
BOILING POINT	82.5 °C (1013 hPa)
DENSITY	0.785 @ 20 °C
REFRACTIVE INDEX	1.3772
UN NUMBER	1219

Specifications

ASSAY (BY GC)	99.70 % min
ACIDITY AS CH ₃ COOH	0.001 % max
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE IRRITANT
R11, S6, 67 S7, 16, 24/25, 26

ARGRADE

TOLUENE

CHEMICAL NAME	Toluene, Methylbenzene, Phenylmethane, AR Grade
CAS NUMBER	108-88-3
EC NUMBER	203-625-9
MOLECULAR FORMULA	C ₇ H ₈
RELATIVE MOLECULAR WEIGHT	92.14
INITIAL BOILING POINT	110.6 °C (1013 hPa)
FLASH POINT	4 to 6 °C
DENSITY	0.867 @ 20 °C
REFRACTIVE INDEX	1.4967
UN NUMBER	1294

Specifications

ASSAY (BY GC)	99.50 % min
ACIDITY AS CH ₃ COOH	0.0005 % max
APPEARANCE	Clear and free of suspended matter
WATER	300 ppm max
NON VOLATILE RESIDUE	10 ppm max
SULPHUR COMPOUNDS	Free of SH ₂ and SO ₂
BENZENE	0.05 % max



HIGHLY FLAMMABLE HARMFUL
R11, S6, 48/20, 63, 65, 67 S3, 6/37, 46, 62

ARGRADE

XYLENE

CHEMICAL NAME	Xylene, Dimethyl benzene, AR Grade
CAS NUMBER	1330-20-7
EC NUMBER	215-535-7
MOLECULAR FORMULA	C ₈ H ₁₀
RELATIVE MOLECULAR WEIGHT	106.16
BOILING RANGE	137 - 143 °C (1013 hPa)
FLASH POINT	24 °C
AUTOIGNITION TEMPERATURE	465 °C
DENSITY	0.86 @ 20 °C
REFRACTIVE INDEX	1.497
UN NUMBER	1307

Specifications

ASSAY (BY GC)	98.00% min
ACIDITY AS CH ₃ COOH	< 1 ppm
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	20 ppm



HARMFUL
R10, S2, 0/21, 38 S25

ARGRADE

Carbon Group



AR RANGE (page 3 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

ACETONE

CHEMICAL NAME	Acetone, GPR Grade
CAS NUMBER	67-64-1
EC NUMBER	200-662-2
MOLECULAR FORMULA	C ₃ H ₆ O
RELATIVE MOLECULAR WEIGHT	58.08
BOILING POINT	56.2°C (1013 hPa)
DENSITY	0.791 @ 20°C
REFRACTIVE INDEX	1.3591
UN NUMBER	1090

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	20 ppm max
APPEARANCE	Clear and free of suspended matter
WATER	5000 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE IRRITANT
R11,36,66,67 S9,16,26

GPRGRADE

ACETONITRILE

CHEMICAL NAME	Acetonitrile, (Methyl cyanide), GPR Grade
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6°C (1013 hPa)
DENSITY	0.782 @ 20°C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.010 mEq/g max
APPEARANCE	Clear and free of suspended matter
WATER	0.30 % max
RESIDUE ON EVAPORATION	0.0050 % max



HIGHLY FLAMMABLE HARMFUL
R11,20/21/22,36 S16,36/37

GPRGRADE

CYCLOHEXANE

CHEMICAL NAME	Cyclohexane, GPR Grade
CAS NUMBER	110-82-7
EC NUMBER	203-806-2
MOLECULAR FORMULA	C ₆ H ₁₂
RELATIVE MOLECULAR WEIGHT	84.16
BOILING POINT	80.56°C (1013 hPa)
FLASH POINT	-17°C
DENSITY	0.778 @ 20°C
REFRACTIVE INDEX	1.4264
UN NUMBER	1145

Specifications

ASSAY (BY GC):	99.00 % min
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	20 ppm max
BENZENE	100 ppm max
AROMATICS	200 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,50/53,65,67 S9,16,25,33,60,61,62

GPRGRADE

ETHYL ACETATE, ETHYL ETHANOATE

CHEMICAL NAME	Ethyl Acetate, Ethyl Ethanoate, GPR Grade
CAS NUMBER	141-78-6
EC NUMBER	205-500-4
MOLECULAR FORMULA	C ₄ H ₈ O ₂
RELATIVE MOLECULAR WEIGHT	88.11
BOILING POINT	77°C (1013 hPa)
DENSITY	0.902 @ 20°C
REFRACTIVE INDEX	1.3719
UN NUMBER	1173

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.010 max mass %
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	500 ppm max



HIGHLY FLAMMABLE IRRITANT
R11,36,66,67 S16,26,33

GPRGRADE

METHANOL

CHEMICAL NAME	Methanol, GPR Grade
CAS NUMBER	67-56-1
EC NUMBER	200-659-6
MOLECULAR FORMULA	CH ₃ OH
RELATIVE MOLECULAR WEIGHT	32.04
BOILING POINT	64.5°C (1013 hPa)
DENSITY	0.7915 @ 20°C
REFRACTIVE INDEX	1.3288
UN NUMBER	1250

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	30 ppm max
APPEARANCE	Clear and free of suspended matter
WATER	3000 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE TOXIC
R11,23/24/25, 39/23/24/25 S7,16,36/37,45

GPRGRADE

METHYL ETHYL KETONE

CHEMICAL NAME	Methyl Ethyl Ketone, MEK, 2-Butanone, GPR Grade
CAS NUMBER	78-93-3
EC NUMBER	201-159-0
MOLECULAR FORMULA	C ₄ H ₈ CO
RELATIVE MOLECULAR WEIGHT	72.11
BOILING POINT	79.6°C (1013 hPa)
FLASH POINT	9°C open cup
AUTO-IGNITION TEMPERATURE	515°C
DENSITY	0.805 @ 20°C
REFRACTIVE INDEX	1.378
UN NUMBER	1193

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.01 % max
APPEARANCE	Clear and free of suspended matter
WATER	2000 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE IRRITANT
R11,36,37,66,67 S2,9,16

GPRGRADE

METHYL ISOBUTYL KETONE

CHEMICAL NAME	Methyl isobutyl ketone- GPR
CAS NUMBER	108-10-1
EC NUMBER	203-550-1
MOLECULAR FORMULA	C ₆ H ₁₂ O
RELATIVE MOLECULAR WEIGHT	100.16
BOILING POINT	117.4°C
FLASH POINT	17°C
AUTO-IGNITION TEMPERATURE	46°C
DENSITY	0.801 g
REFRACTIVE INDEX	1.396
UN NUMBER	1245

Specifications

ASSAY (BY GC):	≥ 99 %
ACIDITY AS CH ₃ COOH	≤ 0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	≤ 0.2 %
RESIDUE ON EVAPORATION	≤ 50 ppm



HIGHLY FLAMMABLE HARMFUL
R11,20,36/57,66 S9,16,29

GPRGRADE

n-BUTANOL

CHEMICAL NAME	n-Butanol, Butan-1-ol, GPR Grade
CAS NUMBER	71-36-3
EC NUMBER	203-751-6
CHEMICAL FORMULA	C ₄ H ₉ O
RELATIVE MOLECULAR WEIGHT	74.12
BOILING POINT	117.7°C (1013 hPa)
FLASH POINT	34°C
AUTO-IGNITION TEMPERATURE	360°C
DENSITY	0.810 @ 20°C
REFRACTIVE INDEX	1.3993
UN NUMBER	1120

Specifications

ASSAY (BY GC):	98.00 % min
ACIDITY AS CH ₃ COOH	0.010 % max
APPEARANCE	Clear and free of suspended matter
WATER	2000 ppm max
RESIDUE ON EVAPORATION	50 ppm max
TOTAL CARBONYL	100 ppm max



HIGHLY FLAMMABLE HARMFUL
R11,36,66,67 S16,26,33

GPRGRADE

Carbon Group



GPR RANGE (page 1 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

n-BUTYL ACETATE

CHEMICAL NAME	N-Butyl Acetate, butyl ethanoate, GPR G
CAS NUMBER	123-86-4
EC NUMBER	204-658-1
CHEMICAL FORMULA	C ₈ H ₁₆ O ₂
RELATIVE MOLECULAR WEIGHT	116.16
BOILING POINT	126°C (1013 hPa)
DENSITY	0.882 @ 20°C
REFRACTIVE INDEX	1.395
UN NUMBER	1123
FLASH POINT	23°C

Specifications

ASSAY (BY GC):	98.00 % min
ACIDITY AS CH ₃ COOH	0.1 % max
APPEARANCE	Clear and free of suspended matter
WATER	5000 ppm max
RESIDUE ON EVAPORATION	50 ppm max

R10,66.67 S25

GPRGRADE

n-HEPTANE 95%

CHEMICAL NAME	n-Heptane 95%, GPR Grade
CAS NUMBER	142-82-5
EC NUMBER	205-563-8
CHEMICAL FORMULA	C ₇ H ₁₆
RELATIVE MOLECULAR WEIGHT	100.21
BOILING POINT	92 - 99°C (1013 hPa)
FLASH POINT	- 4°C
AUTOIGNITION TEMPERATURE	250°C
DENSITY	0.684 @ 20°C
REFRACTIVE INDEX	1.3876
UN NUMBER	1206

Specifications

ASSAY (BY GC):	95.00 % min
ACIDITY AS CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,50/53,65,67 S9,16,29,33,60,61,62

GPRGRADE

n-HEPTANE 99%

CHEMICAL NAME	n-Heptane 99%, GPR Grade
CAS NUMBER	142-82-5
EC NUMBER	205-563-8
CHEMICAL FORMULA	C ₇ H ₁₆
RELATIVE MOLECULAR WEIGHT	100.21
BOILING POINT	92 - 99°C (1013 hPa)
FLASH POINT	- 4°C
AUTOIGNITION TEMPERATURE	250°C
DENSITY	0.684 @ 20°C
REFRACTIVE INDEX	1.3876
UN NUMBER	1206

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,50/53,65,67 S9,16,29,33,60,61,62

GPRGRADE

n-HEXANE 95%

CHEMICAL NAME	n-Hexane 95%, GPR Grade
CAS NUMBER	110-54-3 (n-hexane)
EC NUMBER	203-777-6
CHEMICAL FORMULA	CH ₂ (CH ₂) ₄ CH ₃ n-hexane
RELATIVE MOLECULAR WEIGHT	86.18
BOILING POINT	- 68°C (1013 hPa)
FLASH POINT	-22°C
AUTOIGNITION TEMPERATURE	225°C
UN NUMBER	1208

Specifications

ASSAY (BY GC):	95.00 % min
Acidity as CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,48/20,38,51/53,62,65,67 S9,16,29,33,36/37,61,62

GPRGRADE

n-HEXANE 99%

CHEMICAL NAME	n-Hexane 99%, GPR Grade
CAS NUMBER	110-54-3 (n-hexane)
EC NUMBER	203-777-6
MOLECULAR FORMULA	CH ₂ (CH ₂) ₄ CH ₃ n-hexane
RELATIVE MOLECULAR WEIGHT	86.18
BOILING POINT	- 68°C (1013 hPa)
FLASH POINT	-22°C
AUTOIGNITION TEMPERATURE	225°C
UN NUMBER	1208

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.0003 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,48/20,38,51/53,62,65,67 S9,16,29,33,36/37,61,62

GPRGRADE

n-PROPANOL

CHEMICAL NAME	N-Propanol, Propan-1-ol, GPR Grade
CAS NUMBER	71-23-8
EC NUMBER	200-746-9
MOLECULAR FORMULA	C ₃ H ₈ O
RELATIVE MOLECULAR WEIGHT	60.1
BOILING POINT	96.5 - 98°C (1013 hPa)
FLASH POINT	15°C
IGNITION TEMPERATURE	360°C
DENSITY	0.8053 @ 20°C
REFRACTIVE INDEX	1.3862
UN NUMBER	1274

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.1 % max
APPEARANCE	Clear and free of suspended matter
WATER	0.50 % max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE TOXIC
R11,41,67 S7,16,24,26,39

GPRGRADE

PETROLEUM ETHER 40/60

CHEMICAL NAME	Petroleum Ether 40/60, GPR Grade
CAS NUMBER	64742-49-0
EC NUMBER	265-151-9
BOILING RANGE	40 - 60°C (1013 hPa)
FLASH POINT	-40°C
AUTO-IGNITION TEMPERATURE	250°C
UN NUMBER	1268

Specifications

ACIDITY AS CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	10 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,51/53,65,67 S9,16,29,33,61,62

GPRGRADE

PETROLEUM ETHER 60/80

CHEMICAL NAME	Petroleum Ether 60/80, GPR Grade
CAS NUMBER	64742-49-0
EC NUMBER	265-151-9
BOILING RANGE	60 - 80°C (1013 hPa)
FLASH POINT	-30°C
AUTO-IGNITION TEMPERATURE	250°C
UN NUMBER	1268

Specifications

ACIDITY AS CH ₃ COOH	0.0005 meq/g
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE HARMFUL DANGEROUS FOR ENVIRONMENT
R11,38,51/53,65,67 S16,23,24,61,62

GPRGRADE

Carbon Group



GPR RANGE (page 2 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

PROPAN-2-OL

CHEMICAL NAME	Propan-2-ol, (Isopropanol, IPA), GPR Grade
CAS NUMBER	67-63-0
EC NUMBER	200-661-7
MOLECULAR FORMULA	C ₃ H ₈ O
RELATIVE MOLECULAR WEIGHT	60.1
BOILING POINT	82.5°C (1013 hPa)
DENSITY	0.785 @ 20°C
REFRACTIVE INDEX	1.3772
UN NUMBER	1219

Specifications

ASSAY (BY GC):	99.50 % min
ACIDITY AS CH ₃ COOH	0.001 max mass %
APPEARANCE	Clear and free of suspended matter
WATER	2000 ppm max
RESIDUE ON EVAPORATION	50 ppm max



HIGHLY FLAMMABLE IRRITANT
R11.36.67 S7.16.24/25.26

GPRGRADE

TOLUENE

CHEMICAL NAME	Toluene, Methylbenzene, Phenylmethane, GPR G
CAS NUMBER	108-88-3
EC NUMBER	203-625-9
MOLECULAR FORMULA	C ₆ H ₅ CH ₃
RELATIVE MOLECULAR WEIGHT	92.14
INITIAL BOILING POINT	110.6°C (1013 hPa)
FLASH POINT	4 to 6°C
DENSITY	0.867 @ 20°C
REFRACTIVE INDEX	1.4967
UN NUMBER	1294

Specifications

ASSAY (BY GC):	99.00 % min
ACIDITY AS CH ₃ COOH	0.0010 % max
APPEARANCE	Clear and free of suspended matter
WATER	500 ppm max
NON VOLATILE RESIDUE	100 ppm max



HIGHLY FLAMMABLE HARMFUL
R11.38.48/20.63.65.67 S36/37.46.62

GPRGRADE

XYLENE

CHEMICAL NAME	Xylene, Dimethyl benzene, GPR Grade
CAS NUMBER	1330-20-7
EC NUMBER	215-535-7
CHEMICAL FORMULA	C ₆ H ₄ (CH ₃) ₂
RELATIVE MOLECULAR WEIGHT	106.16
BOILING POINT	137 - 143°C (1013 hPa)
FLASH POINT	24°C
IGNITION TEMPERATURE	465°C
DENSITY	0.86 @ 20°C
REFRACTIVE INDEX	1.497
UN NUMBER	1307

Specifications

ASSAY (BY GC):	98.00% min
ACIDITY AS CH ₃ COOH	< 10 ppm
APPEARANCE	Clear and free of suspended matter
WATER	1000 ppm max
RESIDUE ON EVAPORATION	100 ppm



HARMFUL
R10.20/21.38 S25

GPRGRADE

Carbon Group



GPR RANGE (page 3 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

ACETONITRILE ANHYDROUS 10PPM

CHEMICAL NAME	Acetonitrile Anhydrous 10ppm
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6°C (1013 hPa)
DENSITY	0.782 @ 20°C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (GC, ON ANHYDR.BASIS)	99.9 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002% max
WATER (KF)	10 ppm max
RESIDUE ON EVAPORATION	0.0005% max
SUBSTANCES REDUCING PERMANGANATE	passes test



HIGHLY FLAMMABLE IRRITANT
R11.20/21/22.36 S16.36/37

ANHYDROUSGRADE

ACETONITRILE ANHYDROUS 30PPM

CHEMICAL NAME	Acetonitrile Anhydrous 30ppm
CAS NUMBER	75-05-8
EC NUMBER	200-835-2
MOLECULAR FORMULA	C ₂ H ₃ N
RELATIVE MOLECULAR WEIGHT	41.05
BOILING POINT	81.6°C (1013 hPa)
DENSITY	0.782 @ 20°C
REFRACTIVE INDEX	1.3442
UN NUMBER	1648

Specifications

ASSAY (GC, ON ANHYDR.BASIS)	99.9 % min
COLOR (APHA)	10 max
ACIDITY AS CH ₃ COOH	0.002% max
WATER (KF)	30 ppm max
RESIDUE ON EVAPORATION	0.0003% max
SUBSTANCES REDUCING PERMANGANATE	passes test



HIGHLY FLAMMABLE IRRITANT
R11.20/21/22.36 S16.36/37

ANHYDROUSGRADE

Carbon Group



ANHYDROUS RANGE (page 1 of 1)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

HYDROCHLORIC ACID 0.1N

CHEMICAL NAME	Hydrochloric Acid 0.1N AR Grade
CAS NUMBER	7647-01-0
EC NUMBER	231-595-7
MOLECULAR FORMULA	HCl
RELATIVE MOLECULAR WEIGHT	36.46 g/mol
DENSITY	1.174 - 1.180 g/cm ³

Specifications

Appearance	Clear, fuming liquid
Assay	3.64609 g/l +/- 0.004 g/l
Normality @ 20 °C	0.10000 +/- 0.001
Colour	10 Hazen Units maximum
Non-volatile Matter	10 ppm max
Free Chlorine (Cl ₂)	2 ppm max
Sulphate (SO ₄)	5 ppm max
Sulphite (SO ₃)	1 ppm max
Ammonium (NH ₄)	1 ppm max
Aluminium (Al)	0.5 ppm max
Arsenic (As)	0.02 ppm max
Barium (Ba)	0.2 ppm max
Cadmium (Cd)	0.05 ppm max
Calcium (Ca)	1 ppm max
Cobalt (Co)	0.01 ppm max
Copper (Cu)	0.02 ppm max
Iron (Fe)	0.5 ppm max
Lead (Pb)	0.05 ppm max
Magnesium (Mg)	0.5 ppm max
Manganese (Mn)	0.02 ppm max
Molybdenum (Mo)	0.02 ppm max
Nickel (Ni)	0.05 ppm max
Potassium (K)	0.5 ppm max
Sodium (Na)	1 ppm max
Strontium (Sr)	0.02 ppm max
Zinc (Zn)	0.2 ppm max

ACIDS/BASES

HYDROCHLORIC ACID 0.5N

CHEMICAL NAME	Hydrochloric Acid 0.5N AR Grade
CAS NUMBER	7647-01-0
EC NUMBER	231-595-7
MOLECULAR FORMULA	HCl
RELATIVE MOLECULAR WEIGHT	36.46 g/mol

Specifications

Appearance	Clear, fuming liquid
Assay	18.2304 g/l +/- 0.02 g/l
Normality @ 20 °C	0.500 +/- 0.001
Colour	10 Hazen Units maximum
Non-volatile Matter	10 ppm max
Free Chlorine (Cl ₂)	2 ppm max
Sulphate (SO ₄)	5 ppm max
Sulphite (SO ₃)	1 ppm max
Ammonium (NH ₄)	1 ppm max
Aluminium (Al)	0.5 ppm max
Arsenic (As)	0.02 ppm max
Barium (Ba)	0.2 ppm max
Cadmium (Cd)	0.05 ppm max
Calcium (Ca)	1 ppm max
Cobalt (Co)	0.01 ppm max
Copper (Cu)	0.02 ppm max
Iron (Fe)	0.5 ppm max
Lead (Pb)	0.05 ppm max
Magnesium (Mg)	0.5 ppm max
Manganese (Mn)	0.02 ppm max
Molybdenum (Mo)	0.02 ppm max
Nickel (Ni)	0.05 ppm max
Potassium (K)	0.5 ppm max
Sodium (Na)	1 ppm max
Strontium (Sr)	0.02 ppm max
Zinc (Zn)	0.2 ppm max



CORROSIVE
R34-37 S26-45

ACIDS/BASES

HYDROCHLORIC ACID 1.0N

CHEMICAL NAME	Hydrochloric Acid 1.0N AR Grade
CAS NUMBER	7647-01-0
EC NUMBER	231-595-7
MOLECULAR FORMULA	HCl
RELATIVE MOLECULAR WEIGHT	36.46 g/mol

Specifications

Appearance	Clear, fuming liquid
Assay	36.4609 g/l +/- 0.04 g/l
Normality @ 20 °C	1.0000 +/- 0.001
Colour	10 Hazen Units maximum
Non-volatile Matter	10 ppm max
Free Chlorine (Cl ₂)	2 ppm max
Sulphate (SO ₄)	5 ppm max
Sulphite (SO ₃)	1 ppm max
Ammonium (NH ₄)	1 ppm max
Aluminium (Al)	0.5 ppm max
Arsenic (As)	0.02 ppm max
Barium (Ba)	0.2 ppm max
Cadmium (Cd)	0.05 ppm max
Calcium (Ca)	1 ppm max
Cobalt (Co)	0.01 ppm max
Copper (Cu)	0.02 ppm max
Iron (Fe)	0.5 ppm max
Lead (Pb)	0.05 ppm max
Magnesium (Mg)	0.5 ppm max
Manganese (Mn)	0.02 ppm max
Molybdenum (Mo)	0.02 ppm max
Nickel (Ni)	0.05 ppm max
Potassium (K)	0.5 ppm max
Sodium (Na)	1 ppm max
Strontium (Sr)	0.02 ppm max
Zinc (Zn)	0.2 ppm max



CORROSIVE
R34-37 S26-45

ACIDS/BASES

SODIUM HYDROXIDE 0.1N

CHEMICAL NAME	Sodium Hydroxide 0.1N AR Grade
CAS NUMBER	1310-73-2
EC NUMBER	215-185-5
MOLECULAR FORMULA	NaOH
RELATIVE MOLECULAR WEIGHT	40.00

Specifications

Appearance	Clear & Colourless
Assay	3.99971g/l +/- 0.004 g/l
Normality @ 20 °C	0.1000 +/- 0.001
Carbonate (as Na ₂ CO ₃)	1000 ppm max
Chloride (Cl)	5 ppm max
Phosphate (PO ₄)	5 ppm max
Sulphate (SO ₄)	10 ppm max
Aluminium (Al)	5 ppm max
Arsenic (As)	1 ppm max
Calcium (Ca)	5 ppm max
Copper (Cu)	2 ppm max
Lead (Pb)	5 ppm max
Iron (Fe)	5 ppm max
Magnesium (Mg)	5 ppm max
Potassium (K)	500 ppm max
Zinc (Zn)	10 ppm max

ACIDS/BASES

SODIUM HYDROXIDE 0.5N

CHEMICAL NAME	Sodium Hydroxide 0.5N AR Grade
CAS NUMBER	1310-73-2
EC NUMBER	215-185-5
MOLECULAR FORMULA	NaOH
RELATIVE MOLECULAR WEIGHT	40.00

Specifications

Appearance	Clear & Colourless
Assay	19.9985 g/l +/- 0.002 g/l
Normality @ 20 °C	0.1000 +/- 0.001
Carbonate (as Na ₂ CO ₃)	1000 ppm max
Chloride (Cl)	5 ppm max
Phosphate (PO ₄)	5 ppm max
Sulphate (SO ₄)	10 ppm max
Aluminium (Al)	5 ppm max
Arsenic (As)	1 ppm max
Calcium (Ca)	5 ppm max
Copper (Cu)	2 ppm max
Lead (Pb)	5 ppm max
Iron (Fe)	5 ppm max
Magnesium (Mg)	5 ppm max
Potassium (K)	500 ppm max
Zinc (Zn)	10 ppm max



CORROSIVE
R35 S26-37/39-45

ACIDS/BASES

Carbon Group



ACIDS/BASES (page 1 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

SODIUM HYDROXIDE 1.0N

CHEMICAL NAME	Sodium Hydroxide 1.0N AR Grade
CAS NUMBER	1310-73-2
EC NUMBER	215-185-5
MOLECULAR FORMULA	NaOH
RELATIVE MOLECULAR WEIGHT	40.00

Specifications

Appearance	Clear & Colourless
Assay	39.9971g +/- 0.004g/l
Normality @ 20 °C	0.1000 +/- 0.001
Carbonate (as Na ₂ CO ₃)	1000 ppm max
Chloride (Cl)	5 ppm max
Phosphate (PO ₄)	5 ppm max
Sulphate (SO ₄)	10 ppm max
Aluminium (Al)	5 ppm max
Arsenic (As)	1 ppm max
Calcium (Ca)	5 ppm max
Copper (Cu)	2 ppm max
Lead (Pb)	5 ppm max
Iron (Fe)	5 ppm max
Magnesium (Mg)	5 ppm max
Potassium (K)	500 ppm max
Zinc (Zn)	10 ppm max



CORROSIVE
R35 S26-37/39-45

ACIDS/BASES

SODIUM THIOSULPHATE 0.1N

CHEMICAL NAME	Sodium Thiosulphate 0.1N AR Grade
CAS NUMBER	7772-98-7
EC NUMBER	231-867-5
MOLECULAR FORMULA	Na ₂ S ₂ O ₃
RELATIVE MOLECULAR WEIGHT	158.1

Specifications

Appearance	Clear and colourless liquid. Free from visible impurities
Assay NA ₂ S ₂ O ₃ ·5H ₂ O	24.81738 g/l +/- 0.025 g/l
Normality @ 20 °C	0.10000 +/- 0.001
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Non-volatile matter	2 ug/g maximum

ACIDS/BASES

SODIUM THIOSULPHATE 0.5N

CHEMICAL NAME	Sodium Thiosulphate 0.5N AR Grade
CAS NUMBER	7772-98-7
EC NUMBER	231-867-5
MOLECULAR FORMULA	Na ₂ S ₂ O ₃
RELATIVE MOLECULAR WEIGHT	158.1

Specifications

Appearance	Clear and colourless liquid. Free from visible impurities
Assay NA ₂ S ₂ O ₃ ·5H ₂ O	124.0869 g/l +/- 0.0125 g/l
Normality @ 20 °C	0.10000 +/- 0.001
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Non-volatile matter	2 ug/g maximum

S 24/25

ACIDS/BASES

SODIUM THIOSULPHATE 1.0N

CHEMICAL NAME	Sodium Thiosulphate 1.0N AR Grade
CAS NUMBER	7772-98-7
EC NUMBER	231-867-5
MOLECULAR FORMULA	Na ₂ S ₂ O ₃
RELATIVE MOLECULAR WEIGHT	158.1

Specifications

Appearance	Clear and colourless liquid. Free from visible impurities
Assay NA ₂ S ₂ O ₃ ·5H ₂ O	24.81738 g/l +/- 0.25 g/l
Normality @ 20 °C	0.10000 +/- 0.001
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Non-volatile matter	2 ug/g maximum

S 24/25

ACIDS/BASES

SULPHURIC ACID 0.1N

CHEMICAL NAME	Sulphuric Acid 0.1N AR Grade
CAS NUMBER	7664-93-9
EC NUMBER	231-639-5
MOLECULAR FORMULA	H ₂ SO ₄
RELATIVE MOLECULAR WEIGHT	98.08

Specifications

Appearance	Clear and colourless liquid
Assay	4.90367 +/- 0.005 g/l
Normality @ 20 °C	0.1000 +/- 0.001
Ammonia (NH ₃)	2 ug/g maximum
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Sodium	5 ug/g maximum
Non-volatile matter	20 ug/g maximum
Reducing agents (O)	1 ug/g maximum

ACIDS/BASES

Carbon Group



ACIDS/BASES (page 2 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

SULPHURIC ACID 0.5N

CHEMICAL NAME	Sulphuric Acid 0.5N AR Grade
CAS NUMBER	7664-93-9
EC NUMBER	231-639-5
MOLECULAR FORMULA	H ₂ SO ₄
RELATIVE MOLECULAR WEIGHT	98.08

Specifications

Appearance	Clear and colourless liquid
Assay	24.0183 +/- 0.005 g/l
Normality @ 20°C	0.5000 +/- 0.001
Ammonia (NH ₃)	2 ug/g maximum
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Sodium	5 ug/g maximum
Non-volatile matter	20 ug/g maximum
Reducing agents (O)	1 ug/g maximum



IRRITANT
R35 S26/30/45

ACIDS/BASES

SULPHURIC ACID 1.0N

CHEMICAL NAME	Sulphuric Acid 1.0N AR Grade
CAS NUMBER	7664-93-9
EC NUMBER	231-639-5
MOLECULAR FORMULA	H ₂ SO ₄
RELATIVE MOLECULAR WEIGHT	98.08

Specifications

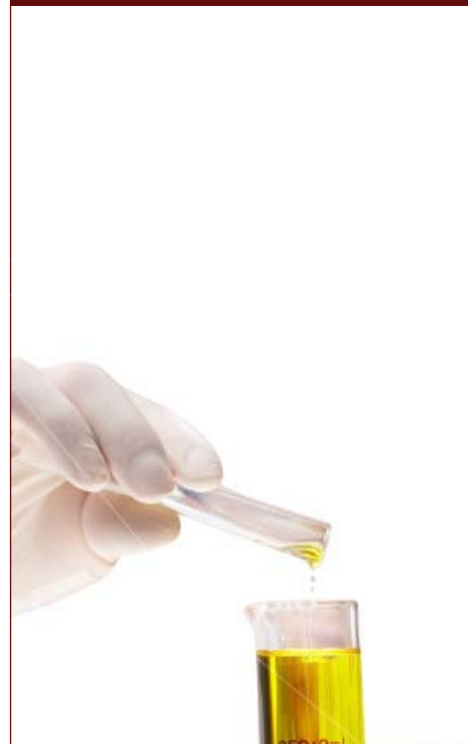
Appearance	Clear and colourless liquid
Assay	49.0367 +/- 0.05 g/l
Normality @ 20°C	1.0000 +/- 0.001
Ammonia (NH ₃)	2 ug/g maximum
Chloride (Cl)	0.2 ug/g maximum
Nitrate (NO ₃)	0.2 ug/g maximum
Arsenic (As)	0.05 ug/g maximum
Barium (Ba)	0.05 ug/g maximum
Cadmium (Cd)	0.05 ug/g maximum
Calcium (Ca)	1 ug/g maximum
Chromium (Cr)	0.1 ug/g maximum
Cobalt (Co)	0.02 ug/g maximum
Copper (Cu)	0.02 ug/g maximum
Iron (Fe)	1 ug/g maximum
Lead (Pb)	0.05 ug/g maximum
Magnesium (Mg)	0.5 ug/g maximum
Manganese (Mn)	0.02 ug/g maximum
Molybdenum (Mo)	0.05 ug/g maximum
Nickel (Ni)	0.05 ug/g maximum
Potassium (K)	0.5 ug/g maximum
Selenium (Se)	1 ug/g maximum
Sodium	5 ug/g maximum
Non-volatile matter	20 ug/g maximum
Reducing agents (O)	1 ug/g maximum



IRRITANT
R35 S26/30/45

ACIDS/BASES

Carbon Group



ACIDS/BASES (page 3 of 3)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

WATER

CHEMICAL NAME	Water, Deionised
CAS NUMBER	7732-18-5
EC NUMBER	231-791-2
MOLECULAR FORMULA	H ₂ O
RELATIVE MOLECULAR WEIGHT	18.02
BOILING POINT	100° C (1013 hPa)
DENSITY	1.000 @ 20° C
REFRACTIVE INDEX	1.3333
UN NUMBER	n/a

Specifications

CONDUCTIVITY	10 µS/cm max
APPEARANCE	Clear and free of suspended matter
RESIDUE ON EVAPORATION	0.050%

WATERDEIONISED

WATER

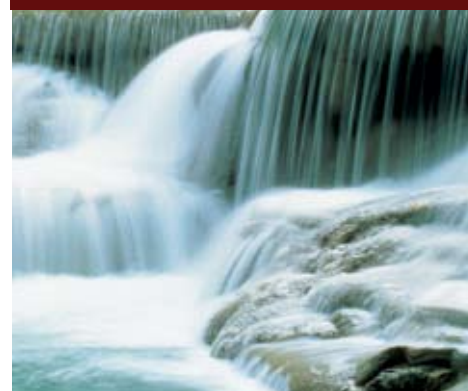
CHEMICAL NAME	Water, HPLC Grade
CAS NUMBER	7732-18-5
EC NUMBER	231-791-2
MOLECULAR FORMULA	H ₂ O
RELATIVE MOLECULAR WEIGHT	18.02
BOILING POINT	100° C (1013 hPa)
DENSITY	1.000 @ 20° C
REFRACTIVE INDEX	1.3333
UN NUMBER	n/a

Specifications

CONDUCTIVITY	2 µS/cm max
APPEARANCE	Clear and free of suspended matter
RESIDUE ON EVAPORATION	0.001%
FILTRATION	Pass (0.2 µm)

WATERHPLCGRADE

Carbon Group



WATER (page 1 of 1)

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie

PRODUCT	PRODUCT CODE
---------	--------------

SOLVENTS

Acetone HPLC Acetone AR Acetone GPR	ACETHPLC ACETAR ACETGPR
Acetonitrile 10ppm Anhydrous Acetonitrile 30ppm Anhydrous Acetonitrile HPLC Acetonitrile AR Acetonitrile GPR	ACETO10AHY ACETO30AHY ACETOHPLC ACETOAR ACETOGPR
Cyclohexane HPLC Cyclohexane AR Cyclohexane GPR	CYCLOHPLC CYCLOAR CYCLOGPR
Ethyl Acetate HPLC Ethyl Acetate AR Ethyl Acetate GPR	ETACHPLC ETACAR ETACGPR
Methanol HPLC Methanol AR Methanol GPR	METHHPLC METHAR METHGPR
Methyl Ethyl Ketone AR Methyl Ethyl Ketone GPR	MEKAR MEKGPR
Methyl isobutyl ketone AR Methyl isobutyl ketone GPR	MIKAR MIKGPR
n-Butanol AR n-Butanol GPR	NBUTAR NBUTGPR
n-Butyl Acetate AR n-Butyl Acetate GPR	NBACAR NBACGPR
n-Heptane 96% HPLC n-Heptane 95% AR n-Heptane 95% GPR	NHEP96HPLC NHEP95AR NHEP95GPR
n-Hexane 96% HPLC n-Hexane 95% AR n-Hexane 95% GPR	NHEX96HPLC NHEX95AR NHEX95GPR
n-Propanol AR n-Propanol GPR	NPROAR NPROGPR
Petroleum Ether 40/60 HPLC Petroleum Ether 40/60 AR Petroleum Ether 40/60 GPR	PE4060HPLC PE4060AR PE4060GPR
Petroleum Ether 60/80 AR Petroleum Ether 60/80 GPR	PE6080AR PE6080GPR
Propan-2-ol HPLC Propan-2-ol AR Propan-2-ol GPR	PROPHPLC PROPAR PROPGPR
Tetrahydrofuran HPLC	TETRHPLC
Toluene HPLC Toluene AR Toluene GPR	TOLUHPLC TOLUAR TOLUGPR
Xylene AR Xylene GPR	XYLEAR XYLEGPR

PRODUCT	PRODUCT CODE
---------	--------------

WATER

Water Deionised Water HPLC	WATER 02 WATERHPLC
-------------------------------	-----------------------

ACIDS AND BASES

Acetic Acid Citric Acid	ACETIC ACID 5-100% CITRIC ACID 5-50%
Hydrochloric Acid 0.1N Hydrochloric Acid 0.5N Hydrochloric Acid 1.0N	HCL0.1N HCL0.5N HCL1.0N
Hydrochloric Acid	HYDROCHLORIC ACID 5-35%
Nitric Acid Phosphoric Acid Sodium Hydroxide	NITRIC ACID 5-50% PHOSPHORIC ACID 5-85% SODIUM HYDROXIDE 5-50%
Sodium Hydroxide 0.1N Sodium Hydroxide 0.5N Sodium Hydroxide 1.0N	SODHYD0.1N SODHYD0.5N SODHYD1.0N
Sodium Hypochlorite Sodium Thiosulphate 0.1N Sodium Thiosulphate 0.5N Sodium Thiosulphate 1.0N	SODIUM HYPOCHLORITE 5-14% SODTHIO0.1N SODTHIO0.5N SODTHIO1.0N
Sulphuric Acid Sulphuric Acid 0.1N Sulphuric Acid 0.5N Sulphuric Acid 1.0N	SULPHURIC ACID 5-96% SULP0.1N SULP0.5N SULP1.0N

When placing orders please use the product codes above

Carbon Group



PRODUCT RANGE SPECIFICATIONS

For further information please visit
www.carbon.ie or contact our sales team
T: +353 (0)21 4378 988
E: sales@carbon.ie