INEOS Nitriles

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ACRYLONITRILE Product Specification
European High Purity Grade

Property	**Unit**		**Limit**
Acetone	ppm	max	50
Acetonitrile	ppm	max	100
Acidity	ppm	max	20
Acrolein	ppm	max	2
Acrylonitrile	% wt.	min	99.4
Aldehydes	ppm	max	20
Appearance	-	-	Clear, Free of Suspended Matter
Benzene	ppm	max	10
Color	APHA	max	5
Copper	ppm	max	0.1
Density	kg/m3	range	799.1-802.2
Distillation range	°C	range	74.2-78.8
Hydrogen Cyanide	ppm	max	5
Hydroquinone	ppm	max	0.4
Inhibitor 4-Methoxyphenol (MEHQ)	ppm	range	35-45
Iron	ppm	max	0.1
Methacrylonitrile	ppm	max	300
Methyl Vinyl Ketone	ppm	max	10
Non-volatile residue	ppm	max	100
Oxazole	ppm	max	2
Peroxide	ppm	max	0.2
PH	-	range	6.0-7.5
Propionitrile	ppm	max	30
Refractive Index	nD25	range	1.3882-1.3891
Specific Gravity	-	range	0.7991-0.8022
Titration value	ml	max	2
Turbidity	NTU	max	3
Water	% wt.	range	0.30-0.45

Effective from March 1, 2026

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