



YIHAI

Changsha Yihai Chemical Technology Co.,Ltd.

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Certificate Of Analysis

Chemical Name	Acetonitrile	Specifications	Tech Grade
CAS No	75-05-8	Molecular formula	C ₂ H ₃ N
Batch No.	AC2012070601	Quantity	500g

Purchasing Specification:

Property	Specification	Test Method	Test result
Appearance	Colorless, limpid liquid	Visual inspection	Passed
Assay	99.90% min	SH/T 1627.2	99.90%
Color (Pt-Co)	10 max	APHA	8
Acidity as acetic acid , %	0.05 max	GB/T 7717.13	0.001
Specific gravity in g/ml	0.780-0.785	GB/T4472	0.782
Distillation range (in ° C)	80-82	GB/T 7534	80-82
Moisture(ppm)	300 max	GB/T 7717.7	170
HCN (ppm)	10 max	GB/T 7717.9	-
Acetone (ppm)	50 max	SH/T 1627.2	22
Acrylonitrile (ppm)	10 max	SH/T 1627.2	Not detected
Propionitrile (ppm)	1000 max	SH/T 1627.2	600
Copper (ppm)	0.5max	GB/T7717.14	Not detected
Iron (ppm)	0.5 max	GB/T7717.14	Not detected
Free ammonia (ppm)	6 max	SH/T 1627.3	0.5

