



# Product Specification

cdhfinechemical.com

## ACETONITRILE FOR HPLC GRADIENT GRADE

<b>PRODUCT CODE</b>	<b>700640</b>
<b>SYNONYMS</b>	<b>Methyl cyanide</b>
<b>C.I. NO.</b>	<b>N/A</b>
<b>CASR NO.</b>	<b>75-05-8</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>CH<sub>3</sub>CN</b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>41.05</b>
<b>PROPERTIES</b>	<b>Limpid liquid, high dielectric constant, high polarity, strongly reactive, burns with a luminous flame.</b>



<b>PARAMETER</b>	<b>LIMIT</b>
Description	A clear colourless liquid, not more than 10 APHA in colour.
Solubility	50% solution in water is clear & colourless.
Minimum assay (By GC)	99.9%
Wt per ml at 20°C	0.781-0.783 g
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.343-1.345
<b>UV transmission (Min.%)</b>	
193 nm	60%
195 nm	80%
200 nm	95%
220 nm	98%
230 nm	98%
254 nm	99%
<b>Gradient test :</b>	
Highest peak at 210 nm	2 mAU
Highest peak at 254 nm	0.5 mAU

<b>MAXIMUM LIMIT OF IMPURITIES</b>	
Residue on evaporation	0.0003%
Water	0.02%
Acidity (as CH <sub>3</sub> COOH)	0.002%
Alkalinity (as NH <sub>3</sub> )	0.0002%

Filtered through 0.2 um membrane filter. Packed under inert gas.

**Note(s) : 1] Assay (if applicable) method mentioned.**

<b>WARNING</b> <b>HAZARD STATEMENTS :</b> May cause respiratory irritation. Flammable liquid and vapour. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation. <b>PRECAUTIONARY STATEMENTS :</b> <b>Prevention :</b> Ground/bond container and receiving equipment. Use only nonsparking tools. Take precautionary Measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection. <b>Response :</b> If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction	IMDG Code : 3/II UN No. : 1648 IATA : 3
<b>Disposal :</b> Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company. Hazard Pictogram(s) :	



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GHS07



GHS02

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