

Product Specification

Standard number : LC-001
Issue number : CDM01
Code number : 33000107

Name : Acetonitrile

(Other name :)
Grade : LC
Volume : 3 L

3-2-12 UCHIHIRANOMACHI, CHUO-KU,
OSAKA 540-0037, JAPAN

HAYASHI PURE CHEMICAL IND.,LTD.

No.	Item	(unit)	Specification	Test Procedure
1	Appearance (Form)	-	Liquid	Visual method
2	(Hue)	-	Colorless	Visual method
3	Assay (CH ₃ CN) (GC)	%	min. 99.8	Gas chromatography
4	Density (20°C)	g/mL	0.780 ~ 0.783	Density and specific gravity meter method
5	Refractive index n_D^{20}	-	1.343 ~ 1.346	Refractometer method
6	Absorbance (d:1cm, reference:water)	-		Molecular absorption spectrometry
	200nm		max. 0.05	
	210nm		max. 0.03	
	220nm		max. 0.02	
	225nm		max. 0.01	
	230nm		max. 0.01	
240~400nm	max. 0.009			
7	Gradient test 210nm	-	max. 0.02	HPLC
8	Gradient test 254nm	-	max. 0.004	HPLC
9	Water	%	max. 0.05	Karl Fischer titration method
10	Residue on evaporation	%	max. 0.001	Weighting method
11	Acid (as CH ₃ COOH)	%	max. 0.001	Titrimetry
12	Hydrogen cyanide	%	max. 0.0005	Colorimetry
13	Peroxides (as H ₂ O ₂)	%	max. 0.0005	Titrimetry
14	Allyl alcohol	%	max. 0.01	Gas chromatography
15	Ammonia (NH ₃)	ppm	max. 0.3	Titrimetry
16	Substances reducing permanganate	-	to pass test	Colorimetry
17	Fluorescence test	-	to pass test	Fluorescence spectrometry
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