

Certificate of Analysis



501314
A1520-4L

Date of Release: 12/16/2024
 Name: Acetonitrile
 OmniSolv®, for HPLC
 Item No: AX0142 all size codes
 Lot / Batch No: 64351
 Country of Origin: USA

Characteristic	Requirement		Results	Units
	Min.	Max.		
Assay (GC)	99.9		> 99.99	%
Color (APHA)		10	< 10	
Evaporation residue		1	< 0.5	ppm
Filtered through 0.2 µm filter			Passes test	
Fluorescence (as quinine base)		300	< 10	ppt
Form			Clear liquid	
Gradient at 210 nm		0.002	0.00007	AU
Gradient at 254 nm		0.0003	0.00010	AU
Identity (IR-spectrum)			Conforms	
Propionitrile		20	< 2	ppm
Refractive index (at 20 °C)	1.343	1.345	1.3438	
Titration acid		8.0	0.57	µeq/g
Titration base		0.16	0.03	µeq/g
UV Abs. at 189 nm		1.00	0.634	AU
UV Abs. at 195 nm		0.15	0.083	AU
UV Abs. at 210 nm		0.03	0.004	AU
UV Abs. at 230 nm		0.005	0.002	AU
UV Abs. at 250 nm		0.005	0.001	AU
UV Abs. at 270 nm		0.005	< 0.001	AU
UV Cut-off		189	187.4	nm
Water (H ₂ O)		0.02	0.0009	%

Michael Hutchinson,

Quality Control Manager
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