

Certificate of Analysis



500304
A1520-4L

Date of Release: 12/9/2024
Name: Acetonitrile
OmniSolv®, for HPLC
Item No: AX0142 all size codes
Lot / Batch No: 64344
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	85	ppt
Form			Clear liquid	
Gradient at 210 nm		0.002	0.00014	AU
Gradient at 254 nm		0.0003	0.00006	AU
Identity (IR-spectrum)			Conforms	
Propionitrile		20	< 2	ppm
Refractive index (at 20 °C)	1.343	1.345	1.3438	
Titration acid		8.0	0.75	µeq/g
Titration base		0.16	0.10	µeq/g
UV Abs. at 189 nm		1.00	0.606	AU
UV Abs. at 195 nm		0.15	0.058	AU
UV Abs. at 210 nm		0.03	< 0.001	AU
UV Abs. at 230 nm		0.005	< 0.001	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	0.0008	%

Michael Hutchinson,

Quality Control Manager

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