



EMD Chemicals Inc.
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Name: Acetone
OmniSolv®

Formula: CH_3COCH_3

Item Number: AX0116, AX0116-901, AX0116-1

Formula Wt: 58.08

Lot Number: 40314

Data Order No: 000057987

CHARACTERISTIC	REQUIREMENT		RESULTS	UNITS
	Min.	Max.		
Assay (GC)	99.5		99.74	%
Infrared spectrum			Conforms	
Titration acid		0.3	0.13	$\mu\text{eq/g}$
Color (APHA)		10	< 10	
Refractive index (n 25/D)			1.3577	
Filtered through 0.2 μm filter			Passes test	
Residue after evaporation		1	< 0.5	ppm
Water (H ₂ O)		0.5	0.236	%
Capillary ECD responsive substances (as PCNB)		2	0.2	ng/L
Capillary FID responsive substances (as decane)		3	1	$\mu\text{g/L}$
Fluorescence (as quinine base)		1.0	0.579	ppb
UV Abs. at 329 nm		1.00	0.855	AU
UV Abs. at 330 nm		0.80	0.678	AU
UV Abs. at 335 nm		0.30	0.198	AU
UV Abs. at 340 nm		0.06	0.050	AU
UV Abs. at 350 nm		0.005	0.002	AU
UV Abs. at 400 nm		0.005	< 0.001	AU
UV Cut-off		329	328.3	nm

Charles M. Wilson,
Quality Assurance Manager

Release Date: 11/10/2000

EM Science
An Affiliate of Merck KGaA, Darmstadt, Germany
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