

Technical Specification

PRODUCT : ACETIC ACID RS - For LC/MS

CODE : 401410

MOLECULAR WEIGHT :60.05

CAS N° : 64-19-7

FORMULA : CH₃COOH

TEST	U.M.	SPECIFICATION
Description	-	Clear colourless liquid
Colour	APHA	<= 10
Refractive index at 20°C	-	1.3711 - 1.3731
Density at 20°C	-	1.0501 - 1.0521
Boiling point	°C	118.3 - 118.8
Water (K.F.)	%	<= 0.1
Subs. reducing KMnO ₄	-	Conform
Substances Reducing Dichromate (K ₂ Cr ₂ O ₇)	-	Conform
Residue on evaporation	ppm	<= 5
Assay (GC)	%	>= 99.95
UV Transmittance	-	-
at 254 nm	%	>= 30
at 260 nm	%	>= 80
at 270 nm	%	>= 90
at 280 nm	%	>= 95
LC-MS Gradient suitability	-	Conform
(tested as 0.1% soln. in methanol)	-	-
at 254 nm	mAU	<=10
Test LC-MS TIC (50-2000m/z) ESI (+)	-	-
Sensitive Impurities (reserpine)	ppb	< 50
Metals content	-	-
Al	ppm	<= 0.05
Fe	ppm	<= 0.2
Na	ppm	<= 0.5
Ca	ppm	<= 0.1
Mg	ppm	<= 0.1
K	ppm	<= 0.1

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
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