

Technical Specification

PRODUCT : ACETIC ACID GLACIAL RPE - For analysis - ACS - Reag. Ph.Eur. - Reag. USP

CODE : 401420

MOLECULAR WEIGHT :60.05

CAS N° : 64-19-7

FORMULA : CH₃COOH

TEST	U.M.	SPECIFICATION
Description	-	Clear liquid or crystalline
Colour	APHA	<= 10
Identification	-	Positive
Water miscibility	-	Conform
Titration base	-	Conform
Substances Reducing Dichromate (K ₂ Cr ₂ O ₇)	-	Conform
Subs. reducing KMnO ₄	-	Conform
Density at 20°C	-	1.0501 - 1.0521
Refractive index at 20°C	-	1.3711 - 1.3731
Boiling point	°C	118.3 - 118.8
Freezing point	°C	>= 16
Assay	%	99.5 - 100.5
Residue on evaporation	ppm	<= 10
Formic acid	%	<= 0.05
Acetic anhydride	ppm	<=100
Chloride	ppm	<= 1
Carbonyl compounds (as CO)	ppm	<= 50
Phosphate	ppm	<= 0.5
Heavy metals (as Pb)	ppm	<= 0.5
Sulfate	ppm	<= 0.5
Ag	ppm	<= 0.02
Al	ppm	<= 0.05
As	ppm	<= 0.01
Ba	ppm	<= 0.1
Be	ppm	<= 0.02
Bi	ppm	<= 0.02
Ca	ppm	<= 0.2
Cd	ppm	<= 0.05
Co	ppm	<= 0.01
Cr	ppm	<= 0.03
Cu	ppm	<= 0.01
Fe	ppm	<= 0.2
K	ppm	<= 0.1
Li	ppm	<= 0.02
Mg	ppm	<= 0.1
Mn	ppm	<= 0.01
Mo	ppm	<= 0.05
Na	ppm	<= 0.5
Ni	ppm	<= 0.03
Pb	ppm	<= 0.02
Sr	ppm	<= 0.02
Ti	ppm	<= 0.1
Tl	ppm	<= 0.05
V	ppm	<= 0.05
Zn	ppm	<= 0.05

It is under the customer responsibility to make sure the purchased product is suitable for his use and/or application.
 CARLO ERBA Reagents would not be guilty of any misuse or mishandling of any of its products, occurring potential damages or user hurts in case of in



Carlo Erba Reagents S.A.S.
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ISO 9001: 2015

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TEST	U.M.	SPECIFICATION
Zr	ppm	<= 0.1
Assay (GC)	%	>= 99.8
Water (K.F.)	ppm	<= 1500
Acetaldehyde	ppm	<= 500

Miscible in water

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Date : 27/02/2024

QUALITY CONTROL RESPONSIBLE
B. COULANGE (VDR)