



Product Specification

Product Name: ACETIC ANHYDRIDE AR

Alternate Name(s) Acetyl oxide

Description

Colourless liquid with a pungent odour.

Properties

Chemical Formula: $(\text{CH}_3\text{CO})_2\text{O}$

Molecular Weight: 102.09

General Information:

Product Code: AA069

CAS No. 108-24-7

Hazard and Safety Data

UN Group: II
Class: 8
UN Number: 1715
Hazchem code: 3W
CS MSDS Code: 3CH9H
Poison schedule: S6
Emergency
Procedure Guide No.: 38

Quality Specification

Typical Assay: 99.0% min

Specific Properties and Impurities [Typical Levels]

Identity (IR-spectrum)	Passes test	Aluminium (Al)	≤ 0.00005%
Barium (Ba)	≤ 0.00001%	Boron (B)	≤ 0.000002%
Cadmium (Cd)	≤ 0.000005%	Calcium (Ca)	≤ 0.00005%
Chromium (Cr)	≤ 0.000005%	Cobalt (Co)	≤ 0.000002%
Copper (Cu)	≤ 0.000002%	Iron (Fe)	≤ 0.00001%
Lead (Pb)	≤ 0.00001%	Colour (Hazen)	10
Magnesium (Mg)	≤ 0.00001%	Manganese (Mn)	≤ 0.000002%
Nickel (Ni)	≤ 0.000002%	Tin (Sn)	≤ 0.00001%
Zinc (Zn)	≤ 0.00001%		
		Density (20°/4°)	1.079-1.082
Boiling point	136-142°	Chlorides (Cl)	≤ 0.0002%
Sulfates (SO ₄)	≤ 0.0005%	Phosphates (PO ₄)	≤ 0.0005%
Heavy metals (as Pb)	≤ 0.0002%	Subs darkened by H ₂ SO ₄	Passes test
Substances reducing KMnO	Passes test	Residue after evaporation	≤ 0.002%

CONFORMS TO ACS

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