

Product Specification

Product Name: Methyl-t-butyl ether AR (ACS)

Alternate Name(s) tert-Butyl methyl ether, 1, 1-Dimethylethyl methyl ether, 2-Methoxy-2-methylpropane, Methyl-1,1-dimethylethyl ether, tert-Butoxymethane

Description

Properties

Chemical Formula: $\text{CH}_3\text{OC}(\text{CH}_3)_3$

Molecular Weight: 88.15

Product Code: MA252

CAS No. 1634-04-4

General Information:

Suitable for laboratory and special analytical techniques.

Hazard and Safety Data

UN Group: 3
Class: II
UN Number: 2398
Hazchem code: •3YE
CS MSDS Code:
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: 14

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Identity (IR)	Passes Test
Water (by Coulometry)	$\leq 0.03\%$
Acidity (mEq./g.)	≤ 0.0005
Residue on Evaporation	$\leq 0.001\%$
Peroxides (as H_2O_2)	$\leq 0.0001\%$
Aluminium (Al)	$\leq 0.00002\%$
Barium (Ba)	$\leq 0.000005\%$
Boron (B)	$\leq 0.000001\%$
Cadmium (Cd)	$\leq 0.000002\%$
Calcium (Ca)	$\leq 0.00002\%$
Chromium (Cr)	$\leq 0.000001\%$
Cobalt (Co)	$\leq 0.000001\%$
Copper (Cu)	$\leq 0.000001\%$
Iron (Fe)	$\leq 0.000005\%$
Lead (Pb)	$\leq 0.000005\%$
Magnesium (Mg)	$\leq 0.000005\%$
Manganese (Mn)	$\leq 0.000001\%$
Nickel (Ni)	$\leq 0.000001\%$
Tin (Sn)	$\leq 0.000005\%$
Zinc (Zn)	$\leq 0.000005\%$

CONFORMS TO ACS

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