

ET0082 Diethyl ether, stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT), Multisolvant® ACS ISO



assay (G.C.) min. 99,7 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,713 - 0,715
 appearance clear
 colour (Hazen) max. 10
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g
 chlorides (Cl) max. 0,00003 %
 sulfates (SO₄) max. 0,00003 %
 aluminium (Al) max. 0,1 ppm
 barium (Ba) max. 0,1 ppm
 boron (B) max. 0,02 ppm
 cadmium (Cd) max. 0,01 ppm
 calcium (Ca) max. 0,3 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,02 ppm
 copper (Cu) max. 0,02 ppm
 iron (Fe) max. 0,02 ppm

lead (Pb) max. 0,1 ppm
 magnesium (Mg) max. 0,1 ppm
 manganese (Mn) max. 0,01 ppm
 nickel (Ni) max. 0,02 ppm
 tin (Sn) max. 0,1 ppm
 zinc (Zn) max. 0,01 ppm
 acetone (G.C.) max. 0,005 %
 ethanol (G.C.) max. 0,02 %
 methanol (G.C.) max. 0,02 %
 aldehydes (as HCHO) max. 0,00007 %
 carbonyl compounds (as CH₃CHO) max. 0,001 %
 carbonyl compounds (as CO) max. 0,001 %
 peroxides (as H₂O₂) max. 0,000015 %
 sulfur compounds (as S) max. 0,00006 %
 substances darkened by H₂SO₄ passes test
 residue on evaporation max. 0,001 %
 water (K.F.) max. 0,03 %

ART. NO.	VOLUME	CONTAINER
ET00821000	1 l	0
ET00822500	2,5 l	0
ET0082007E	7 l	0
ET0082020S	20 l	0
ET0082025S	25 l	0

ET0073 Diethyl ether, standard substance for GC



assay 99,7 %
 over ramp 40°C, 5°C/min 120°C, 30°C/min 200°C
 identity IR

ART. NO.	VOLUME	CONTAINER
ET00730005	5ml	0

ET0083 Diethyl ether, 99,7%, anhydrous (max. 0,005% H₂O), stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)



assay (G.C.) min. 99,7 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,713 - 0,715
 appearance clear
 colour (Hazen) max. 10
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0002 meq/g
 chlorides (Cl) max. 0,00003 %
 sulfates (SO₄) max. 0,00003 %
 aluminium (Al) max. 0,5 ppm
 barium (Ba) max. 0,1 ppm
 boron (B) max. 0,02 ppm
 cadmium (Cd) max. 0,05 ppm
 calcium (Ca) max. 0,5 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,02 ppm

copper (Cu) max. 0,02 ppm
 iron (Fe) max. 0,1 ppm
 lead (Pb) max. 0,1 ppm
 magnesium (Mg) max. 0,1 ppm
 manganese (Mn) max. 0,02 ppm
 nickel (Ni) max. 0,02 ppm
 tin (Sn) max. 0,1 ppm
 zinc (Zn) max. 0,1 ppm
 acetone (G.C.) max. 0,005 %
 ethanol (G.C.) max. 0,02 %
 methanol (G.C.) max. 0,02 %
 carbonyl compounds (as CH₃CHO) max. 0,001 %
 peroxides (as H₂O₂) max. 0,002 %
 sulfur compounds (as S) max. 0,00006 %
 residue on evaporation max. 0,001 %
 water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
ET00830100	100 ml	0
ET00830500	500 ml	0
ET00831000	1 l	0

ET0074 Diethyl ether, 99,5%, anhydrous (max. 0,005% H₂O), with molecular sieves, stabilized with approx. 7 ppm of 2,6-Di-tert-butyl-4-methylphenol (BHT)



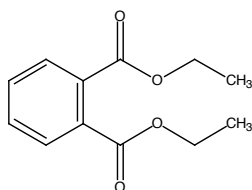
assay (G.C.) min. 99,5 %
 identity (IR-spectrum) passes test
 density (20°/4°) 0,713 - 0,715
 acidity max. 0,001 meq/g
 aldehydes passes test
 copper (Cu) max. 0,2 ppm
 iron (Fe) max. 0,5 ppm
 lead (Pb) max. 0,2 ppm

nickel (Ni) max. 0,2 ppm
 acetone (G.C.) max. 0,01 %
 ethanol (G.C.) max. 0,1 %
 methanol (G.C.) max. 0,05 %
 substances with a foreign odour passes test
 substances darkened by H₂SO₄ passes test
 peroxides (as H₂O₂) max. 0,001 %
 water (K.F.) max. 0,005 %

ART. NO.	VOLUME	CONTAINER
ET00741000	1 l	0

DIETHYL PHTHALATE

FT0045 Diethyl phthalate, EssentQ®



- Synonyms: Ethyl phthalate, DEP, Phthalic acid diethyl ester
- C₁₂H₁₄O₄
- M = 222,24 g/mol
- CAS [84-66-2]
- EINECS-No.: 201-550-6
- Density: 1,12 g/cm³
- Solub. in water: (20 °C): non-miscible
- Melting point: -3 °C
- Boiling point: 296 - 298 °C
- Flash pt. 156 °C
- Ignition temp.: 430 °C
- Vapour pressure: (20 °C) 0,002 hPa
- Refraction index: (n 20 °C/D) 1,5022
- LD 50 (oral, rat): 8200 mg/kg
- Tariff number: 2917 34 00 90
- Applications: analytical chemistry, perfumery, synthesis of organic products.

assay (G.C.) min. 99 %
 identity (IR-spectrum) passes test
 density (20°/4°) 1,117 - 1,119
 free acid [as C₆H₄(COOH)₂] max. 0,05 %
 residue on ignition max. 0,01 %
 water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
FT00451000	1 l	0