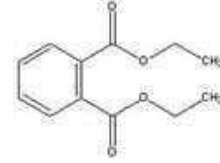


Identification

$C_{12}H_{14}O_4$
M = 222,24 g/mol
CAS [84-66-2]
EC number: 201-550-6
Taric code: 2917 34 00

**Synonyms**

Ethyl phthalate, DEP, Phthalic acid diethyl ester

Applications

analytical chemistry, perfumery, synthesis of organic products.

Specifications

assay (G.C.).....	min. 99 %	free acid [as C ₆ H ₄ (COOH) ₂]	max. 0,05 %
identity (IR-spectrum).....	passes test	residue on ignition.....	max. 0,01 %
density (20°/4°).....	1,117 - 1,119	water (K.F.).....	max. 0,1 %

Physical data

- Density: 1,12 g/cm³
- Solub. in water: (20 °C): non-miscible
- Melting point: -3 °C
- Boiling point: 296 - 298 °C
- Flash point: 156 °C
- Ignition temperature: 430 °C
- Vapour pressure: (20 °C) 0,002 hPa
- Refraction index: (n_{20 °C/D}) 1,5022
- pH(H₂O, 20 °C) 7

Transport/storage

- 15°C - 25°C