

15523 Glycerol Puriss., meets analytical specification of BP, FCC, Ph. Eur., USP, E422, anhydrous, 99.0-101.0% (alkalimetric)

Specyfikacja:

Property	Value
APPEARANCE (COLOR)	complying
MINOR COMPONENT 3	ethylene glycole
MINOR COMPONENT 4	3-monochloropropane-1.2--diol
SUM OF GC-IMPURITIES	other impurities total: <= 1.0 % other single impurities: <= 0.1 %
SPECIFIC GRAVITY	>= 1.257 at 25 Deg C
DENSITY	1.1280-1.2644 at 20 Deg C
REFRACTIVE INDEX N20/D	1.471 - 1.474
WATER	0 - 1 %
SULFATED ASH	0 - 0.01 %
INFRARED SPECTRUM	complying
APPEARANCE OF SOLUTION	complying
TITRATION (T) NAOH 0.1M	99 - 101 %
ACIDITY	<= 0.003 % free acid (as CH3COOH)
ACIDITY OR ALKALINITY	acid. or alk. react. impurities: complying
IMPURITY A AND RELATED SUBSTANCES	complying
SUGARS	complying
ESTERS	complying
RESIDUAL SOLVENTS	complying
HEAVY METALS	<= 5 ppm (as Pb)
HALOGENATED COMPOUNDS	<= 30 ppm (Cl)
MISCELLANEOUS TESTS	acrolein. glucose + HH4--compounds: complying fatty acids and ester: complying
ARSEN	<= 1 ppm
REMARKS ON TITRATION	99.0-101.0 % (calc.on the anhydrous basis)
CADMIUM	<= 1 ppm
COPPER	0 - 0.001 %
MERCURY	<= 1 ppm
LEAD	<= 1 ppm
ZIN	0 - 0.001 %
CHLORIDE (CL)	<= 10 ppm
SULFATE (SO4)	<= 10 ppm
SUBSTANCES CARBONIZABLE BY HOT H2SO4	complying
RECOMMENDED RETEST PERIOD	12 MONTHS
GC MINOR COMPONENT 1 (AREA %)	0 - 0.2 % rel
GC MINOR COMPONENT 2 (AREA %)	0 - 0.1 % rel
GC MINOR COMPONENT 3 (AREA %)	0 - 0.1 % rel
GC MINOR COMPONENT 4 (AREA %)	0 - 0.1 % rel
MINOR COMPONENT 1	1.2.4-butantriol
MINOR COMPONENT 2	diethylene glycole

Właściwości fizyczne:

Property	Value
Impurities	aldehydes, in accordance
Refractive index	$n_{20/D}$ 1.474(lit.)
Suitability	passes test for identity (IR)
Cation traces	Pb: ≤ 1 mg/kg
Assay	99.0-101.0% (calc. on H ₂ O free substance)
Autoignition temp.	698 °F
Mp	20 °C(lit.)
Grade	puriss.
Anion traces	chloride (Cl ⁻): ≤ 10 mg/kg
Ign. residue	$\leq 0.01\%$ (as SO ₄)
Bp	182 °C/20 mmHg(lit.)
Density	1.26 g/cm ³
Vapor pressure	< 1 mmHg (20 °C)
Vapor density	3.1 (vs air)
Quality	meets analytical specification of Ph. Eur., BP, USP, FCC, E422
Boiling point	290 °C
Freezing point	18 °C

Informacje dot. bezpieczeństwa:

Property	Value
Flashpoint	160 °C
Hazard Class	8
Package Group	III
UN ID	2209