



GLYCERINE 4810

N° CAS : 56-81-5
N° EINECS : 200-289-5
INCI name : Glycerin
Origin : Vegetable

<u>CHARACTERISTICS (on CoA)</u>	<u>UNITS</u>	<u>VALUES</u>	<u>METHODS</u>
Refractive index at 20°C		1.4732-1.4740	APAG-GL-006-1988
Glycerol content by RI (=dry matter)	%	≥ 99.5	APAG-GL-009-1988
Water content	%	≤ 0.5	ISO 760-1978
APHA colour		≤ 10	ISO 2211-1973
Acidity / Alkalinity	meq/100g	≤ 0.04	ISO 1615-1976
IR		conformable	European Pharmacopoeia
Appearance of solution		conformable	European Pharmacopoeia
Aldehydes		conformable	European Pharmacopoeia
Halogenated compounds	ppm	≤ 30	European Pharmacopoeia
Sugars		conformable	European Pharmacopoeia
Chlorides	ppm	≤ 10	European Pharmacopoeia
Heavy metals as Pb	ppm	≤ 5	European Pharmacopoeia
Sulphated ash	%	≤ 0.01	European Pharmacopoeia
Esters		conformable	European Pharmacopoeia
Impurity A (= Diethylene glycol) and related substances		conformable	European Pharmacopoeia

CHARACTERISTICS (Guaranteed)

Assay		conformable	U.S. Pharmacopoeia
Residue on ignition		conformable	U.S. Pharmacopoeia
Sulfate		conformable	U.S. Pharmacopoeia
Heavy metals		conformable	U.S. Pharmacopoeia
Chlorinated compounds		conformable	U.S. Pharmacopoeia
Organic volatile impurities		conformable	U.S. Pharmacopoeia
Fatty acids and esters		conformable	U.S. Pharmacopoeia

PHYSICAL PROPERTIES (indicative values)

Aspect			syruy liquid, very hygroscopic
Appearance at 20 °C			clear, colourless liquid
Specific weight at 20 °C	kg/m ³		ca. 1.2628
Viscosity at 20 °C	mPa.s		min. 1150
Soluble in			water, alcohol, slightly in acetone
Flash point	°C		> 199
Auto ignition temperature	°C		ca. 370

Head office & fatty acid plant Assenedestraat 2 - B-9940 Ertvelde - Belgium
Fatty ester plant Vaartstraat 130 - B-2520 Oelegem - Belgium
Fatty acid and ester plant Framnesveien 57- N-3202 Sandefjord - Norway

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Technical data sheet

Last rev.: 29/08/2005
Pag.: 2 / 2

STATUS

EC : Food additive E422

USA : FDA §182.1320 (GRAS: Generally Recognized As Safe)

Meets the requirements of the current European, U.S. and Japanese Pharmacopoeia

STANDARD AVAILABILITY

Bulk.

250 kg net drums

1250 kg liquabins.

STORAGE CONDITIONS

Keep packaging unopened and undamaged.

Store at room temperature in a clean and aerated place.

For bulk storage, it is recommended to keep the product about 50°C in nitrogen flushed tanks.

Other grades of Glycerin are available.

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