

Technical Data Sheet for premixture GMP+

Leunapon-ER 40/96 GMP+

General product information

Product name	Leunapon-ER 40/96 GMP+ (Glyceryl polyethyleneglycol ricinoleate; E 484)
Categorization	PREMIXTURE: Composition: 95 – 97 % technological additive E484 (emulsifier: Polyethyleneglycol glycerylricinoleate [Glyceryl polyethyleneglycol ricinoleate]) in water as carrier <i>active substance level: 95 - 97 % moisture content: 3 - 5 %</i>
	Emulsifiers: substances that make it possible to form or maintain a homogeneous mixture of two or more immiscible phases in feedingstuffs (according to Annex I of Regulation (EC) No 1831/2003)
	Animal species and category: all animal species and categories
	Minimum / maximum dosage [mg/kg]: —
	Other provisions: all feed (not intended for direct feeding to animals)
Chemical name	Castor oil, ethoxylated
CAS number	61791-12-6
EINECS number	Polymer
Registration number	As a polymer the product is excluded from the registration and evaluation under REACH (Regulation (EC) No. 1907/2006).
Customs tariff number	3402 42 00

Authorization

Glyceryl polyethyleneglycol ricinoleate (E 484) is currently authorized as technological additive, functional group (c) emulsifier, for all animal species and categories.

According to Article 10 (2) of Regulation (EC) No 1831/2003 the substance „Glyceryl polyethyleneglycol ricinoleate“ is currently in the state of re-evaluation (status as of March 2024).

Packaging

Bulk	10 – 23 t
IBC	--
steel-drum	--

The information provided in this document is based on the best of our knowledge and experience. It is intended as a general description of our product specifications and shall not constitute a guarantee or agreement regarding the quality of the specified products, respectively. The customer remains responsible for the inspection and testing of the specified products, as well as any supplementary information and documents provided alongside with the specified products, in particular the material safety data sheets, in order to determine their suitability for their particular application.

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Specifications (parameters quoted on CoA)

Characteristics	Unit	Target value	Applied method
Saponification value	mg KOH/g	58 – 66 *	DIN EN 53 401
Cloud point (5 g + 25 g BDG sol. 25%)	°C	70 – 80 **	DIN EN 1890
Water	%	3 – 5	DIN 51 777
pH-value (1 % sol.)		6 – 7,5	DIN EN 1262
Acid value	mg KOH/g	≤ 2	DIN EN ISO 660
Gardner		≤ 5	DIN EN ISO 4630
Ethylene Oxide	ppm	≤ 0,1	DIN EN 13320
1,4-Dioxane	ppm	≤ 5	DIN EN 12974

* measured at insoluble product

** only informative; measured at insoluble product

Additional information

Appearance at 40 °C	liquid, clear, yellow
Active content	95 – 97 %
HLB value (calculated)	13,1
Density at 40 °C	approx. 1,033 g/cm ³
Dynamic viscosity at 40 °C	approx. 204 mPa*s

Storage and Handling

Protect the product from heat and direct sunlight and keep the packaging tightly sealed. In enclosed original container product keeps stabile for at least 2 years.
Prior taking portions all the lot must be homogenised.
Please refer to the Safety Data Sheet (SDS) for this product for instructions on safe and proper handling and disposal.

	Laboratory	QM	Production	Produkt Management
Date				
Signed by				
Version	03/24 (replaces 03/21)			