

POLYGLUTAMIC ACID

Product Master Reference No. 1814

INCI: Sodium Polyglutamate

SHORT DESCRIPTION

Cosmetic ingredient, raw material for manufacturing of personal care products. Active ingredient, humectant. Sodium salt of polyglutamic acid of Natural origin.

COMPOSITION

INCI name	CAS No.	EC No.	Origin	Percentage %
Sodium Polyglutamate	25513-46-6	NA	Biotechnology, fermentaiton	100

PGA is obtained by refining starch and glutamic acid as raw materials through bio-engineering technology and macromolecular crystallization and separation techniques.

PARAMETERS

Appearance at 20°C:	off-white crystalline powder
Odor:	faint, characteristic
Solubility:	soluble in water
pH:	5.0-7.5 (1% solution)
Molecular weight:	≥700KDa
Assay:	Not less than 95% PGA-Na
Heavy metals:	≤ 10 ppm
Mercury:	≤0.01 ppm
Lead:	≤0.1 ppm
Arsenic:	≤0.1 ppm
Chromium:	≤0.1 ppm

NATURAL / ORGANIC LABEL

Natural origin, but not certified product.

MICROBIOLOGY

The product conforms to the following microbiological specification:

Total Plate Count: ≤ 100 cfu/g

Total Yeast & Mold Count: ≤ 10 cfu/g

Pathogens: absent/g (Enterobacteria, Pseudomonas, Enterococci, Candida albicans, Staphylococci)

ALLERGENS

Cosmetic and fragrance allergens listed in Regulation (EC) No. 1223/2009 Annex III, including the additions made by the introduction of EU Regulation 2023/1545: none of these substances have been intentionally added to the product; is not expected on product.

Food Allergens listed on Annex II of Regulation (EU) No. 1169/2011: none of these substances have been intentionally added to the product; is not expected / applicable based on product / process.

ANIMAL TESTING

We hereby declare that we are against Animal testing for cosmetic purpose and confirm that we have not conducted any animal tests with this product, nor that we have ordered such tests at third parties or third parties have conducted such tests with our knowledge and acceptance to fulfil the requirements of Cosmetic Regulation (EC) No 1223/2009.

BSE/TSE

The product does not contain or come into contact with, materials from animal origin that could potentially contain the animal diseases Bovine Spongiform Encephalopathy / Transmissible Spongiform Encephalopathies.

CMR SUBSTANCES

The product does not contain intentionally added materials classified as carcinogenic, mutagenic or reprotoxic, according to Regulation (EC) 1223/2009 and Regulation (EC) 1531/2022 on cosmetic products. Unavoidable trace levels may be present according to Regulation (EC) No. 1223/2009 of category 1A, 1B, or 2 according to Regulation (EC) No. 1272/2008.

GLUTEN STATUS

We hereby confirm that product Sodium Polyglutamate (PGA-Na) complies with Regulation (EU) 828/2014 on the requirements for the provision of information to consumers on the absence or reduced presence of gluten in food, does not contain gluten and is naturally gluten-free product, therefore could be used in gluten-free claimed products.

GMO STATUS

In fulfillment of the EU regulations (EC) 1223/2009, we hereby certify that product Sodium Polyglutamate (PGA-Na) does not contain genetically modified materials, and is not produced using raw materials of a genetically modified origin. At no stage during the production does the above mentioned product come into contact with genetically modified organisms.

HEAVY METALS

Heavy metal content if is not analyzed on this product and specified separately, according to the raw materials used and the production process, the eventual presence of total heavy metals in this product would be technically unavoidable and lower than ≤ 10 ppm.

IRRADIATION

Based on information concerning the raw materials, production process, and equipment used radioactive material is not expected to be present.

ISO 16128

According to the guidelines on definitions for natural and organic cosmetic ingredients, we can state regarding the information provided by our suppliers or our manufacturing process, the following information for our product:

Natural origin content = 100%

Ingredients	Natural index	Natural origin index	Organic index	Organic origin index
Sodium Polyglutamate	0	1	0	0

MICROPLASTICS, PFAS

Microplastics have not been intentionally added to this product, and we do not have knowledge of any microplastics being present in any step of the manufacturing process. The material is therefore in compliance with Commission

Regulation (EU) 1907/2006, including the amendments introduced with Commission Regulation (EU) 2023/2055. We hereby certify that this product do not contain any Polyfluoroalkyl Substances (PFAS) and that PFAS are not intentionally added during the manufacturing.

NANOMATERIALS

We hereby confirm that product Sodium Polyglutamate (PGA-Na) does not contain nanomaterial according to the definition of Regulation (EC) No 1223/2009. As per definition, 'nanomaterial means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100 nm.

PESTICIDES, IMPURITIES

Based on information concerning the raw materials, production process, and equipment used, pesticides are expected to conform with concentration limits of the European Pharmacopoeia, or conforms to EC Reg. 158/2025 and EC Reg. 839/2008 which amend EC Reg. 396/2005.

This product is free from Nitrosamines, PAHs, Formaldehyde, 1,4-dioxane, Ethylene Oxide, Melamine, Latex, Diethylene glycol (DEG) and Ethylene glycol (EG), Paraben.

PHTHALATES

Based on information concerning the raw materials, production process, and equipment used phthalates listed in EU Regulation 1223/2009 Annex II are not likely to be present.

REGULATORY COMPLIANCE

The product complies with the European Cosmetic Directive (Regulation (EU) No. 1223/2009). It is not included in the list of substances prohibited in cosmetic products. Neither does it contain restricted preservatives, colorants or UV filters (Annex II - VI of EU Regulation 1223/2009).

RESIDUAL SOLVENTS

Based on our current knowledge of the production process, raw materials and equipment used, no solvent is used in the manufacturing process or, if used, is removed in a final step of the manufacturing process, otherwise, it is specified in the "Parameters" section, According to Directive 2009/32/EC.

SVHC

REACH Status: The product within the European Union is compliant with Regulation (EC) 1907/2006 (REACH) as all substances it is composed of, - are excluded from the Regulation, and/or - are exempted from registration, and/or - have been registered by supplier(s).

REACH Registration Number: The REACH registration number, if applicable, is provided in the Safety Data Sheet (SDS).

SVHC: Information about substances considered for authorisation according to Article 59 of REACH (Substances of Very High Concern - SVHC) will be included on the Safety Data Sheet. Any substance appearing on the candidate list for authorisation and which is contained to more than 0.1 % in the product will be described in Section 3.2 of the updated version of the Safety Data Sheet.

VEGAN/VEGETARIAN STATEMENT

This product is manufactured exclusively from fermentation and is not produced with nor does it contain components produced or derived from animals. The product is suitable for vegan cosmetics.

STORAGE, SHELF LIFE

Store in the air-tight sealed containers protected from direct sunlight, moisture and heat at ambient temperature. Brief deviation from the storage temperature e.g. during transport does not impair product quality. Shelf life min 24 months in unopened container and when stored under proper conditions.

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