

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev. 1

Sodium PCA

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Sodium PCA
Chemical name	Sodium L-pyroglutamate
Manufacturing process	The original amino acid proline is sourced from all-natural, vegetable-based ingredients. A fermentation process of sugars and starches is then used in order to create PCA from proline.
Description	Sodium PCA is the sodium salt of pyroglutamic acid which is an uncommon amino acid found naturally in many proteins
Raw material category	Conditioning agent, humectant

TECHNICAL DATA

Physical and chemical parameters

Appearance	Liquid
Color	Clear, colorless to pale yellow
Odor	Odorless
Relative density at 20°C	1.25 – 1.30
Clarity (1 cm, 430 nm)	Not less than 96 %
pH	6.5 – 7.5
Solubility	Soluble in water and ethanol, insoluble in oils
Solid content	Not less than 48 %
Nitrogen content	Not less than 4.3 %

Biological parameters

Total bacteria	Not more than 100 cfu/g
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TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in tightly closed containers, away from light and moisture
Shelf Life	Min 24 months, in closed packaging under the recommended conditions
Custom tariff	-

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LEGISLATION

Certification	-
EINECS	249-277-1
CAS	28874-51-3

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