


DESCRIPTION

General Description Sodium tripolyphosphate food grade Hygroscopic white light granular without foreign matters. Risk of caking.		Date effective – edition December, 2012 - 01
Grade Food grade	E number(s) E 451	Formula $\text{Na}_5\text{P}_3\text{O}_{10}$
Molecular weight 368	EINECS 231–838-7	CAS number 7758-29-4

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications	Methods
Total P_2O_5 (anhydrous)	%	57.5	56.0 – 58.0	ELC 20
Assay	%	> 92.0	92.0 Min.	CALCULATION
pH solution 1%		9.9	9.5 – 10.1	ELC 17
Insoluble matters	%	0.02	0.10 Max.	ELC 15
Loss on desiccation @ 150 °C	%	0.05	0.50 Max.	ELC 14
Higher polyphosphates	%	< 1	1 Max.	ELC 65
Impurities content				
Pb	ppm	< 1.0	1.0 Max.	EICP 12
As	ppm	< 1.0	1.0 Max.	EICP 25
F	ppm	< 10.0	10.0 Max.	ELC 01
Cd	ppm	< 1.0	1.0 Max.	EICP 12
Hg	ppm	< 0.1	0.1 Max.	EICP 24
Heavy metals (as Pb)	ppm	< 10	10 Max.	ELC 08
Physical properties				
Bulk density	g/cm ³ lbs/ft ³	0.45 28	0.35 – 0.46 21 - 29	ELF 21 CALCULATION
Granulometry				
Cumulated retain on :				
1000 µm (18 US mesh)	%	< 1	1 Max.	ELF 24
500 µm (± 35 US mesh)	%	< 50	50 Max.	ELF 24
71 µm (± 210 US mesh)	%	> 90	90 Min.	ELF 24
Whiteness (L)		98.8	96.0 Min.	ELC 11

THEORETICAL VALUES

Solubility	14 g / 100 g in water @ 20 °C
Na ₂ O content	42.1 %

IDENTIFICATION TEST

Positive tests for sodium and phosphate



PRAYPHOS™ STPP FG GR SP

STORAGE & SHELF LIFE

Store in a cool, dry and odorless place. Protect from humidity. Keep in the packaging of origin, shrink-wrapped.
Best before: 2 years after production date.

KEY PROPERTIES

Prayphos™ STPP FG is a phosphate salt with a high sequestering capacity and an alkaline pH. Easy to dissolve, it interacts in various food systems with proteins and cations, to stabilize color, maintain shelf life, enhance water holding capacity and promote emulsification.

APPLICATIONS

Prayphos™ STPP FG GR SP is a sodium tripolyphosphate with outstanding dissolution properties. Its granular form ensures a steady and complete dissolution in all dissolution procedures. The Prayphos™ STPP FG GR SP also dissolves faster in cold brine.

Plant location
Packaging types
Handling precautions

Engis - Belgium
Multiwall paper bags of 25 kg net
See MSDS

CERTIFICATIONS

ISO 9001 (Quality) – OHSAS 18001 (Security) – ISO 14001 (Environment) – FSSC 22000 (Food Safety) – Kosher Pareve Passover – Halal – Responsible Care – NSF / ANSI Std. 60 (Drinking Water Treatment Chemicals)

REGULATIONS & STATEMENTS

Meets the requirements of current European Community regulations for Food additives (Council Regulation 2012/231/EC), as well as the current edition of the Food Chemical Codex (FCC). Are subject to a quantitative limitation fixed by the consolidated edition of the European Community Regulation 2008/1333/EC – Annex II.
Meets the requirements of Regulation 767/2009/EC on the placing on the market and use of feed and Regulation 2011/575/EC on the Catalogue of Feed Materials. Directive 2002/32/EC on undesirable substances in animal feed.
GMO free – Allergen free – BSE/TSE free – Mineral origin

MISCELLANEOUS

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, Prayon makes no representations or warranties as to the completeness or accuracy. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use. Additionally, it is the user's responsibility to verify, in every case, the local legislation related to the use of the product. In no event will Prayon be responsible for damages of any nature resulting from the use of or reliance upon information or the product to which information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent and Prayon makes no representation or warranty, express or implied, that the use thereof will not infringe any patent. The typical data set forth herein are based on samples tested and are not guaranteed for all samples or applications. The product specification limits are subject to change. Please contact Prayon for the most current data sheet. Deliveries are governed by the general sale conditions defined by Prayon.



Responsible Care



Kosher Pareve
Pareve



Drinking Water Treatment additive
NSF/ANSI Standard 60
18 YN
Maximum use level : 13.0 mg/L