

PREMIUM INGREDIENT CO.,LTD

STPP-FG Powder

DESCRIPTION

General Description		Date effective - edition
Sodium Tripolyphosphate Food Grade		July.2023-V1
Grade	Standard	Formula
Food Grade	E 451i	Na ₅ P ₃ O ₁₀
Molecular weight	EINECS	CAS number
367.86	231-838-7	7758-29-4

PRODUCT CHARACTERISTICS

Chemical properties	Unit	Typical analysis	Specifications
Na ₅ P ₃ O ₁₀	%	96.5	≥95.0
P ₂ O ₅	%	57.6	56 - 59
Superior polyphosphates (NaPO ₃) ₃	%	0.2	≤1
Water insoluble	%	0.006	≤0.1
Ph (1% Solution)		9.5	9.1 - 10.2
Loss on Drying (105 °C, 1 hour)	%	0.1	≤0.7
Whiteness		90	≥85
Bulk density	g/cm ³	0.78	≥0.75
Heavy metals as Pb	ppm	<10	≤10
Fluoride	ppm	Not detected	≤10
Arsenic	ppm	0.1	≤1
Pb	ppm	0.3	≤1
Cd	ppm	0.05	≤1
Hg	ppm	0.08	≤1
Solubility		Pass	Freely Soluble in Water. Insoluble in Ethanol
Appearance		Pass	Powder

PACKAGE & STORAGE & SHELF LIFE

Package: 25kgs bags or according to the customers' requirements

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

APPLICATIONS

Food additive,used as humectants,emulsifier into meat products,canned meat and seafood, instant Rice(wheat) noodles, various milk and dairy, ice creams,plant protein drinks, fruit(vegetable) juices and Beverages,tea drink, etc.

