



Aditya Birla Chemicals (Thailand) Ltd.
[Phosphates Division]
Bangkok, Thailand

Tetrasodium Pyrophosphate (TSPP) FOOD GRADE

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Technical Data

Commercial Name:	Tetrasodium Pyrophosphate - Anhydrous	Synonyms :	-Tetrasodium Diphosphate -Sodium Pyrophosphate
Grade :	Food Grade	CAS no :	7722-88-5
Formula / Mol.Weight:	Na ₄ P ₂ O ₇ /265.90	Appearance :	White odourless powder
		E Number :	E450(iii)
Conforms to :	EU Directive, FCC VI and JECFA Standards.		

Specification :

Parameters	Unit	Specifications	Method
pH(1% Solution)		10.2 – 10.6	FCC
Bulk density	gm/cc	0.70 min.	ASTM-D1895B
Water Insoluble	%	0.1 max.	FCC
Moisture (at 110 C for 4 hr)	%	0.3 max.	FCC
Loss on ignite (at 800 °C, 30 minute)	%	0.5 max.	FCC
Phosphate as (P ₂ O ₅)	%	52.5 – 54.0	JECFA
Assay	%	95.0 min.	FCC
Fluoride as F	ppm	10.0 max.	FCC
Arsenic as As	ppm	3.0 max.	ICP-OES
Lead as Pb	ppm	3.0 max.	ICP-OES
Cadmium as Cd	ppm	1.0 max.	ICP-OES
Mercury as Hg	ppm	1.0 max.	ICP-OES
Heavy metal as Pb	ppm	10.0 max.	FCC

PARTICLE SIZE DISTRIBUTION:

Retained on 20 mesh(850 µm)	%	0.5 max.	ASTM-B214
Passed thru 100 mesh(150 µm)	%	80.0 min.	ASTM-B214



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Packaging

- 25 Kg Paper Bag with PE liner
- As per customer's request

Storage

TSPP, be stored in closed containers in a cool, dry warehouse (temperature 0 – 25°C) Store it separately in compliance with Food grade regulations to avoid contamination risk.

Shelf Life

2 Years from the date of manufacturing.

Functional Uses

Emulsifier, Buffering agent, Sequestrant, Meat Processing, Water Treatment, Processed Cheese Processing.

Certified By

ISO 9001 : 2008

ISO 14001 : 2004

OHSAS 18001 : 2007

GMP

HACCP

KOSHER

and

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