



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

Sodium Acid Pyrophosphate (SAPP – 28) FOOD GRADE

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Technical Data

Commercial Name:	Sodium Acid Pyrophosphate - 28	Synonyms :	SAPP - 28 -Disodium pyrophosphate -Disodium diphosphate
Grade /ROR	Food Grade / 28	CAS no :	7558-16-9
Formula /Mol. Weight :	Na ₂ H ₂ P ₂ O ₇ /221.94	Appearance :	White odourless powder
		E Number :	E450(i)
Conforms to :	EU Directive, FCC VI and JECFA Standards.		

Specification :

Parameters	Unit	Specifications	Method
pH(1% Solution)		4.0 – 4.6	FCC
Bulk Density	gm/cc	0.55 min.	ASTM-D1895B
Moisture (at 110 Deg C for 4 hr)	%	0.50 max.	FCC
Water Insoluble	%	0.50 max.	FCC
Rate of release CO ₂ at 2 min	%	28.0 – 32.0	TPCA/004
Neutralizing Value	%	72.0 min.	TPCA/004
Phosphate as (P ₂ O ₅)	%	63.0 – 64.5	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	2.0 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 60 mesh(250 µm)	%	0.5 max.	ASTM-B214
Passed thru 200 mesh(75 µm)	%	90.0 min.	ASTM-B214



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Packaging

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

Storage

SAPP- 28, should 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

Acidity regulator, Sequestrant, Leavening, Stabilizer, Texturizer : Meat Processing, Processed Cheese Processing, Bakery, Potato Processing, Nuclotide (I + G) Processing, Plasticizer, etc.

Certified By

ISO 9001 : 2008

ISO 14001 : 2004

OHSAS 18001 : 2007

GMP

HACCP

KOSHER

and

HALAL



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