



Manufacturer's Original Specification Tetrasodium Pyrophosphate FCC

The Manufacturer's Original Specification for the below Product found on the following pages are the latest revision (as at 24 Mar 2023) and supersede all previous specifications for this product code.

Specification Details					
Product Code	TESOPF5711	CAS Number	7722-88-5	Shelf Life	730 Day
Product	Tetrasodium Pyrophosphate FCC				
Pack Size	15 kg net Bags				
Customer Name	Alpha Chemicals Pty Ltd				
Revision	2 (on 13/09/2019)	Notes	Added description, updated compliance statement.		
Authorised By	Damien Barrett Quality Assurance Manager				

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SPECIFICATION

Date: 26,AUG.2019

Tetrasodium Pyrophosphate Anhydrous

Synonyms: Tetrasodium Diphosphate, Sodium Pyrophosphate Anhydrous

Empirical Formula: Na₄P₂O₇

CAS Number: 7722-88-5

Molecular Weight: 265.9

Characteristics: White powder. Soluble in water, insoluble in ethanol. Basic property appeared in a aqueous solution. Anhydrous sodium pyrophosphate is liable to deliquesce by absorbing the moisture in the air.

TEST ITEM	INDEX	TEST RESULT
APPEARANCE	COLOURLESS WHITE CRYSTALLINE POWDER	COLOURLESS WHITE CRYSTALLINE POWDER
Identification A :Sodium (FCC)	Passes test	Passes test
Identification B: Phosphate (FCC)	Passes test	Passes test
ASSAY,Na₄P₂O₇(%)	95.0-100.5	96.0
P₂O₅ CONTENT %	52.5-54.0	53.0
PH,1.0% SOLUTION	9.9-10.5	10.3
WATER INSOLUBLE MATTER	(%)MAX 0.2	0.1MAX
CHLORIDES(PPM)	MAX1000	MAX1000
FLUORIDE(PPM)	MAX10	MAX10
HEAVY METALS,AS PB(PPM)	MAX10	MAX10
CADMIUM Cd PPM	MAX1.0	MAX1.0
MERCURY Hg PPM	MAX1.0	MAX1.0
ARSENIC(PPM)	MAX3.0	MAX3.0
IRON(PPM)	MAX50	MAX50
LEAD,PB(PPM)	MAX1.0	MAX1.0
SOLUBILITY @25 DEG C	5.0	0.5MAX
IN WATER,%		
LOSS ON IGNITION%	MAX0.5	0.3
IDENTIFICATION TEST	PASSES TEST	PASSES TEST
GRANULOMETRY:		
THROUGH 210UM MESH,%	MIN99.0	99.2
THROUGH 150UM MESH,%	MIN92.0	98.0
THROUGH 75UM MESH,%	MIN61.0	85.0

MEET WITH **FCC 11**, E450(iii)

Complies with **FCC11, E450(iii) requirements**

Packing: Packed in 15kgs net paper bag with PE bag inner.

Storage and Transport: Store in a tightly sealed container in a cool, dry, well ventilated area.

Avoid exposure to heat and moisture.

Shelf life: Two years.

