



Tech

Technical Data

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MONOSODIUM PHOSPHATE, ANHYDROUS

GENERAL DESCRIPTION:

Monosodium Phosphate, Anhydrous is a white powdered or granular material, which has no odor.

APPLICATIONS

- ◆ Food: buffer for processed foods
- ◆ Water Treatment

PHYSICAL & CHEMICAL PROPERTIES:

- ◆ **Appearance:** White crystalline powder
- ◆ **Odor:** Odorless
- ◆ **Physical State:** Solid
- ◆ **pH (1% solution):** 4.5
- ◆ **Solubility in Water:** 48 Wt./Wt.% @ 25°C

SPECIFICATIONS

	POWDER (FRANCE)	GRANULAR (FRANCE)	GRANULAR (LOWBANKS)
ASSAY AS MSP, DRY BASIS	98.0 – 103.0 %	98.0 – 103.0 %	98.0 – 103.0 %
WATER INSOLUBLES	0.2 % MAX.	0.2 % MAX.	0.2 % MAX.
LOSS ON DRYING	2.0 % MAX.	2.0 % MAX.	2.0 % MAX.
PYROPHOSPHATE	1 % MAX.	1 % MAX.	2 % MAX.
PH, 1% SOLUTION	4.3 – 4.7	4.3 – 4.7	4.3 – 4.7
ARSENIC (AS)	3 PPM MAX.	3 PPM MAX.	3 PPM MAX.
FLUORIDE (F)	50 PPM MAX.	50 PPM MAX.	50 PPM MAX.
LEAD (PB)	4 PPM MAX.	4 PPM MAX.	4 PPM MAX.

TYPICAL PROPERTIES

BULK DENSITY- LB/FT ³	55	80	36
SIEVING ON 20 MESH	0.1 %	15 %	3 %
SIEVING ON 100 MESH	15 %	85 %	55 %
SIEVING ON 200 MESH	-	> 95 %	-
SOLUBILITY- GRAMS/100 G WATER @25C	48	48	48

HANDLING & STORAGE:

Handling: Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts.

Storage: Store in tightly closed containers. Store in cool, dry areas.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)