

# Hi-Grade STPP M 211

**Product name:** Sodium Tripolyphosphate Anhydrous, Food Grade, Powder

**Synonyms:** STPP

Pentasodium Triphosphate

Sodium Triphosphate

**Product:**

**Formula:**  $\text{Na}_5\text{P}_3\text{O}_{10}$

**Molecular weight:** 367.86

**CAS No.** 7758-29-4

**EINCS No.** 231-383-7

**EEC classification** E 451(i)

**Appearance:** White powder

## Analysis

Analyte	Specification Limits
Assay (as $\text{Na}_5\text{P}_3\text{O}_{10}$ ), %	95 min
$\text{P}_2\text{O}_5$ content, %	56.0-59.0
pH (1% solution)	9.6-10.2
Arsenic (As), ppm	2.0 max
Fluoride (F), ppm	10 max
Heavy Metals, ppm	10 max
Lead (Pb), ppm	1.0 max
Cadmium (Cd), ppm	1.0 max
Mercury (Hg), ppm	0.5 max
Insoluble matter, %	0.1 max
Loss on Drying, %	0.2 max
Bulk Density, g/ml	0.7-0.85

**Screen analysis:** On 35 US mesh (> 0.5 mm) 0.5 % max

Through 200 US mesh (<0.075 mm) 55% min

**Shelf life:** 24 months in original package, under dry and cool storage conditions

Maximum stack height: 2 pallets.

**Packaging:** 25 Kg or 50 Lbs. multi-walls PE lined paper bags on pallets.

1000 Kg or 2205 Lbs. Big Bags.

**Main usage:** Emulsifier, texturizer, buffer, sequestrant, stabilizer

Meat processing

Fish and seafood processing

## Kosher and Hallal product

Hi-M 211 complies with the requirements of the current US Food Chemicals Codex,

EC Commission Directive, and FAO/WHO report.

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