



NISHAL™

**SODIUM HEXAMETAPHOSPHATE  
(SHMP)**

**A: PRODUCT SPECIFICATION AND APPLICATION FOR SODIUM HEXAMETAPHOSPHATE**

**Chemical Name:** Sodium Hexametaphosphate

**Chemical Formula:**  $\text{Na}_6\text{P}_6\text{O}_{18}$

**Molecular weight:** 611.7704 g/mol

**Properties:** White Powder

**Packing:** In double layer bags of 25 kg or 50 kg or 1000 kg

**CAS No.:** (White Powder) : 10124-56-8  
(White Glassy) : 68915-31-1

**TECHNICAL SPECIFICATIONS:**

Sr. No.	Indexes	Technical Grade	Food Grade
1	Total phosphates (as $\text{P}_2\text{O}_5$ ) % ≥	68	68
2	Inactive Phosphates (as $\text{P}_2\text{O}_5$ ) % ≤	7.5	7.5
3	Iron (Fe) % ≤	0.05	0.05
4	PH Value	5.8 - 7.3	5.8 - 6.5
5	Heavy Metals (as Pb) % ≤		0.001
6	Arsenic (As) % ≤		0.0003
7	Fluoride (as F) % ≤		0.003
8	Water Insoluble Matter % ≤	0.05	0.05

**APPLICATION:** Sodium Hexametaphosphate is used as a sequestrant and has applications within a wide variety of industries, including as a food additive. It is used in various application in oil fields, paper production, textile, dyeing and petroleum as softener.