



PRODUCT SPECIFICATION DATA SHEET

prayphos

PRAYPHOS™ SAPP NL 180 Dental

**DESCRIPTION**

| | | |
|--|-----------------------------|--|
| General Description SODIUM ACID PYROPHOSPHATE White, free-flowing, odorless, tasteless powder | | Date effective - edition September, 2010 - 01 |
| Grade Dentifrice Grade | E number(s) E 450 | Formula Na ₂ H ₂ P ₂ O ₇ |
| Molecular weight 221 | EINECS 231-835-0 | CAS number 7758-16-9 |

PRODUCT CHARACTERISTICS

| Chemical properties | Unit | Typical analysis | Specifications | Methods |
|---|---------------------|------------------|----------------|-------------|
| Assay (Na ₂ H ₂ P ₂ O ₇) | % | 98.0 | 93.0 - 100.5 | QWI.90015 |
| pH solution 1% | --- | 4.5 | 4.0 - 5.0 | QWI.90052 |
| Insoluble substances | % | <0.1 | 1.0 Max. | QWI.90071 |
| Impurities content | | | | |
| Pb | ppm | <1.0 | 2.0 Max. | QWI.90042 |
| As | ppm | <1.0 | 3.0 Max. | QWI.90006 |
| F | ppm | <50.0 | 50.0 Max. | QWI.90087 |
| Heavy metals (as Pb) | ppm | <15.0 | 15.0 Max. | QWI.90036 |
| Physical properties | | | | |
| Bulk Density | g/cm ³ | 0.9 | 0.7 - 1.2 | QWI.90017 |
| | lbs/ft ³ | 56 | 44 - 75 | Calculation |
| Granulometry (USSS) | | | | |
| Cumulative retained on : | | | | |
| 149 µm (100 US mesh) | % | 0.2 | 0.5 Max | QWI.90059 |
| 74 µm (200 US mesh) | % | 6.0 | 10.0 Max | |

THEORETICAL VALUES

| | |
|--------------------------------|-------------------------|
| Solubility | 12 g/100 g water @ 20°C |
| Na₂O content | 28.0% |

IDENTIFICATION TEST

| |
|---|
| Positive tests for sodium and phosphate |
|---|

Prayon - 1610 Marvin Griffin Road, Augusta, Georgia 30906

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For further information on our Products & Services, visit our Website

www.prayon.com



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STORAGE & SHELF LIFE

Store in a cool and dry place. Keep in the packaging of origin, shrink-wrapped.
Best before: 2 years after production date.

KEY PROPERTIES

- | | |
|---------------------|--------------------|
| ~ Acidulant | ~ Protein Modifier |
| ~ Dispersing Agent | ~ Dispersing Agent |
| ~ Emulsifying Agent | ~ Coagulant |
| ~ Buffering Agent | ~ Sequestrant |

APPLICATIONS

- ~ Generally Recognized As Safe (GRAS) as a multiple purpose food substance in 21 CFR 182.1087 when used in accordance with good manufacturing practices.
- ~ Acceptable for use in accordance with the USDA Meat and Poultry Products Inspection Regulations, Manual of Procedures, and policy guidelines applicable to the specific product in which used. Regulated for use in processed meat and poultry to a level not to exceed 0.5% by weight of the final product
- ~ Generally Recognized As Safe (GRAS) in animal foods when used in accordance with good manufacturing or feeding practices under 21 CFR 582.1087.
- ~ Potable Water Treatment: Prayon's sodium acid pyrophosphate conforms to the requirements of NSF/ANSI Standard 60. Used for corrosion & scale control and sequestering. Maximum use level 12 mg/L.

| | |
|-----------------------------|------------------------------|
| Plant location | Augusta, GA-USA |
| Packaging types | Multiwall bags or supersacks |
| Handling precautions | see MSDS |

CERTIFICATIONS

ISO 9001 (Quality) - Kosher (Pareve, Passover) - Halal - NSF/ANSI Standard 60 (*only for approved products*)

REGULATIONS & STATEMENTS

Meets the requirements of the Food Chemicals Codex (FCC) current edition.
GMO free - Allergen free - BSE/TSE free - Mineral origin

MISCELLANEOUS

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