

TECHNICAL DATA SHEET:

Stearates - Technical Grade



Material Sciences

Stearates - Technical Grade - 909-G - Aluminum High Gel

909-G is a high gel, powdered grade aluminum stearate. Aluminum stearates can perform the following functions in formulations; thickening agent, waterproofing agent, viscosity modifier, flattening agent and gelling agent.

These products are used in the production of color concentrates, paints, coatings, greases, and drilling muds.

BSI Code: 909-G

Description: High Gel

Grade: Tallow

C.A.S. Number: 300-92-5

Storage Life: 24 months from date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity.

Handling Precautions: Please refer to the Aluminum Stearate Safety Data Sheet.

TYPICAL PROPERTIES

Oxide (%)	10.5 - 12.5
Moisture (max %)	1.0
Free Fatty Acid (max %)	5.8
Bulk Density (g/cc)	0.25 - 0.30
Melting Point (°C)	160 - 170
% Thru 100 Mesh	90.0

CFR REFERENCES:

909-G Aluminum Stearate is suitable for use in food packaging applications in accordance with the following FDA Code of Federal Regulations:

21CFR175.105 - Adhesives.

21CFR175.210 - Acrylate ester copolymer coating.

21CFR175.300 - For use in resinous and polymeric coatings.

21CFR176.170 - Components of paper and paperboard in contact with aqueous and fatty foods.

21CFR176.180 - Components of paper and paperboard in contact with dry food.

21CFR176.200 - Defoaming agents used in coatings.

21CFR176.210 - Defoaming agents used in the manufacture of paper and paperboard.

21CFR177.2260 - Filters, resin-bonded.

21CFR177.2800 - Textiles and textile fibers.

21CFR178.3297 - Colorants for polymers.

21CFR178.3910 - Surface lubricants used in the manufacture of metallic articles.

21CFR178.3930 - Terpene resins.

21CFR179.45 - Packaging materials for use during the irradiation of prepackaged foods.

21CFR181.29 - Stabilizers.

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