

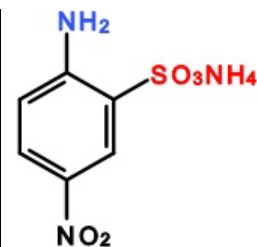


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Product : PNAOSA Ammonium Salt  
Chemical Name : 2-Amino-5-Nitrobenzene Sulfonic Acid NH<sub>3</sub> Salt  
CAS # : 4346-51-4  
EINECS # : 224-408-5  
Empirical Formula : C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O<sub>5</sub>S.NH<sub>3</sub>  
Molecular Weight : 235.24 gm/mol



Form Supplied	Moist Crystalline Powder
Physical Appearance	Brownish Yellow
Sales Basis	100% Basis on MW 218 Free Acid
Used for Production of	Mordant Orange 15      Direct Blue 43 Acid Black 66              Direct Blue 54 Acid Violet 1              Direct Blue 96 Acid Violet 27             Direct Blue 131 Acid Brown 92             Direct Blue 145 Direct Blue 29
Purity by Nitrite Value (%)	80.00 Min
Salt Content (%)	3.00 Max
Insoluble (%)	0.30 Max
HPLC Purity (%)	98.50 Min
4-Nitroaniline (%)	0.20 Max
4-Nitro Chlorobenzene-2-Sulfonic Acid (%)	0.50 Max
Sulfone (%)	0.50 Max

\*\* THIS SUPERCEDES PREVIOUS SPECIFICATION.