



Diammonium Phosphate (DAP) 18-46-0

TYPICAL ANALYSES

Chemical Analyses	Typical (Typical Range)
Nitrogen (Total)	18%
Phosphate as P ₂ O ₅	
- Total	46.5%
- Available	46%
- Water Soluble	42%
Crude Moisture as H ₂ O	0.7% (0.3% - 1.3%)
Ground Moisture as H ₂ O	2.1% (1.5% - 2.6%)
Sulfate Sulfur as S	1.4%
Iron as Fe ₂ O ₃	1.7%
Aluminum as Al ₂ O ₃	1.3%
Magnesium as MgO	0.8%
pH in 1% Solution	7.2

Particle Size Distribution (% Cumulative)

Tyler Mesh	Size (mm)	Typical	Typical Range
+5	4.00	4	0.5 - 8
+6	3.35	21	6 - 40
+7	2.80	62	35 - 85
+8	2.36	88	74 - 98
+9	2.00	97	89 - 100
+10	1.70	99	96 - 100
+12	1.40	99.7	98 - 100
+14	1.18	99.9	99 - 100
-14	<1.18	0.1	0 - 0.4

Other Sizing Characteristics

Parameter	Typical	Typical Range
2 mm x 4 mm	94%	90% - 98%
Size Guide Number (SGN)	295	260 - 320
Uniformity Index (UI)	57	50 - 65

Physical Properties - Typical

Bulk Density (Loose)	955 kg/m ³ (or 60 lbs/ft ³)
Bulk Density (Packed)	1040 kg/m ³ (or 65 lbs/ft ³)
Angle of Repose	31-33 Degrees
Hardness	5.5 kg (or 12 lbs)

Product analyses are typical as tested at shipment. Handling and transportation may affect the analysis of the delivered product.