

EM SCIENCE

CERTIFICATE OF ANALYSIS

NAME: Potassium Iodide
Crystals, GR
ITEM NUMBER: PX1505
LOT NUMBER: 125727
FORMULA: KI
FORMULA WT: 166.00
Meets ACS Specifications
Data Order No: 00032811

| PROPERTY | LIMITS | | RESULTS | UNITS |
|--|--------|-------|---------------------------|-------|
| | Min. | Max. | | |
| Assay | 99.0 | | 99.88 | % |
| Barium (Ba) | | 0.002 | <0.0002 | % |
| Calcium, magnesium, and R2O3 precipitate | | 0.005 | 0.0050 | % |
| Chloride and bromide (as Cl) | | 0.01 | 0.010 | % |
| Color | | | White | |
| Form | | | Crystals or fine granules | |
| Heavy metals (as Pb) | | 5 | 5 | ppm |
| Insoluble matter | | 0.005 | 0.0020 | % |
| Iodate (IO3) | | 3 | 3 | ppm |
| Iron (Fe) | | 3 | 3 | ppm |
| Loss on drying (150°C) | | 0.2 | 0.13 | % |
| Nitrogen compounds (as N) | | 0.001 | 0.0010 | % |
| Phosphate (PO4) | | 0.001 | 0.0010 | % |
| Sodium (Na) | | 0.005 | 0.0006 | % |
| Sulfate (SO4) | | 0.005 | 0.0050 | % |
| pH of a 5% solution at 25°C | 6.0 | 9.2 | 6.25 | |

Charles M. Wilson,
Quality Assurance Manager
Analysis Date: 9/22/99

