

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

| | |
|--------------------------|--------------------------------|
| Product Name: | Imidazole |
| Specifications & Purity: | 99.5%,for fluorescenceAnalysis |
| SKU # | I108705 |

| Parameter | Limit Values |
|---|---------------------------|
| Nickel(Ni) | 0-5 (ppm) |
| Potassium(K) | 0-50 (ppm) |
| Iron(Fe) | 0-5 (ppm) |
| Zinc(Zn) | 0-5 (ppm) |
| Purity(GC) | 99.5-100 (%) |
| Calcium(Ca) | 0-10 (ppm) |
| Chloride (Cl-) | 0-50 (ppm) |
| Sodium(Na) | 0-50 (ppm) |
| Cadmium(Cd) | 0-5 (ppm) |
| pH | 9.5-11 |
| Ignition Residue (as sulfate) | 0-0.05 (%) |
| Chrome(Cr) | 0-5 (ppm) |
| Strontium(Sr) | 0-5 (ppm) |
| UV Absorbance 280nm | 0-0.1 |
| Copper(Cu) | 0-5 (ppm) |
| UV Absorbance 260nm | 0-0.1 |
| Molybdenum(Mo) | 0-5 (ppm) |
| Melting point | 86-92 (°C) |
| Magnesium (Mg) | 0-5 (ppm) |
| Lithium(Li) | 0-5 (ppm) |
| Manganese(Mn) | 0-5 |
| (Pb)Lead | 0-5 (ppm) |
| Cobalt (Co) | 0-5 (ppm) |
| Water by Karl Fischer | 0-0.2 (%) |
| Sulfate(SO42-) | 0-50 (ppm) |
| Appearance (I108705) | White to Off-White Powder |
| Fluorescence,λex 200-600 nm; λem 300-800 nm (corresponds) | Conforms |
| Infrared spectrum | Conforms to Structure |
| Insoluble matter | pass |
| pKa | 6.8 |
| λ,0.1 M in H2O | Pass |