

Chem-Impex International, Inc.

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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

| | |
|-------------------------|--|
| Catalogue Number | 29819 |
| Lot Number | 001331-20151101 |
| Product | 1-Hydroxybenzotriazole hydrate (< 5 ppm hydrazine) wetted with not less than 20 wt. % water |

HOBt hydrate (< 5 ppm hydrazine)

| | |
|--------------------------|--------------------------|
| CAS Number | 123333-53-9 |
| Molecular Formula | $C_6H_5N_3O \cdot xH_2O$ |
| Molecular Weight | 135.12 |

| | |
|-------------------|--------------------------|
| Appearance | White crystalline powder |
|-------------------|--------------------------|

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|----------------------|------------|
| Melting Point | 151-162 °C |
|----------------------|------------|

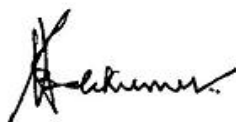
| | |
|------------------------------------|-------|
| Water Content (Karl Fisher) | 21.0% |
|------------------------------------|-------|

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|-----------------------|-------|
| Purity by HPLC | 99.7% |
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| Storage | Store at RT |
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| Remarks | See material safety data sheet for additional information For laboratory use only |
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager