

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 00724   |
| <b>Lot Number</b>        | 001220-20130505   |
| <b>Product</b>           | <b>D-Threonine, <i>allo</i>-free</b>                    |
|                          | D-Thr-OH  |
|                          | (2 <i>R</i> ,3 <i>S</i> )-2-Amino-3-hydroxybutyric acid |
| <b>CAS Number</b>        | 632-20-2  |
| <b>Molecular Formula</b> | C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>           |
| <b>Molecular Weight</b>  | 119.1   |

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|----------------------------|--|
| <b>Appearance</b>          | White solid  |
| <b>Heavy Metals</b>        | < 10 ppm   |
| <b>Anion</b>               | Chloride: < 0.1%   |
| <b>Optical Rotation</b>    | + 28.0 °   |
| <b>Loss on Drying</b>      | 0.1%   |
| <b>Residue On Ignition</b> | 0.08%  |
| <b>Assay</b>               | 99.0%  |
| <b>L-Enantiomer</b>        | < 0.3% L-Isomer; Total < 0.5% all-isomers  |
| <b>Storage</b>             | Store at RT  |
| <b>Remarks</b>             | See material safety data sheet for additional information<br>For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager