

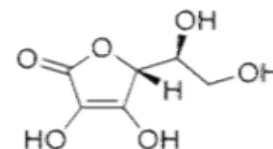
# Certificate of Analysis



## Product Identification

**Catalog number** HB1238  
**Compound name** Ascorbic acid  
**Chemical name** L-Ascorbic acid

**Batch number** E0470-1-1  
**Batch molecular formula** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>  
**Batch molecular weight** 176.13



## Chemical Structure

### Method

### QC requirement

### QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	<sup>1</sup> H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White Solid
<b>Solubility</b>	Soluble in water (500 mM)	Meets specification

## Biological validation

**Produced by** Richard Patterson

Signature

**Passed by** Huw Davies

Signature

Date

20-02-17

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.