

**Analysis Date:** 09-01-2026

**Re-test Date:** 09-01-2029

## **GLUCOSE-CYSTEINE**

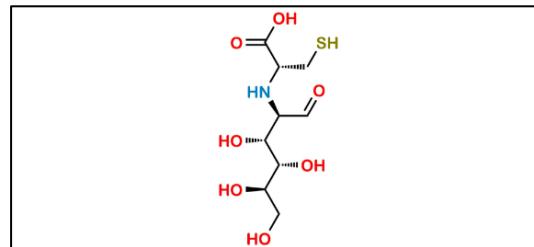
### **Identification**

**Chemical Name** : ((2R,3R,4S,5R)-3,4,5,6-Tetrahydroxy-1-oxohexan-2-yl)-L-cysteine

**CAT No** : ALL-ATY-RC10

**CAS No** : 38325-69-8

**Molecular Formula** : C9H17NO7S

**Molecular Weight** : 283.3


### **Analytical Information**

**Batch N.A.** : ALL-ATY-RC10      **HPLC Purity** : 98.00%

**Solubility** : USP Diluent / EP Diluent (MEOH)      **Potency** : 96.94 %

**Appearance of Product** : OFF WHITE SOLID      **Mass** : Confirm

**Long Term Storage** : 2-8 °C      **IR Analysis** : Confirm

**Weight Loss By TGA** : 0.524 %      **1HNMR** : Confirm

**Residue Of Ignition** : 1.317%

### **Additional Information**

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =

$$[100 - (0.524 + 1.317) \times 99.98]/100 = 96.94 \%$$

**Recommendation** : Released

| Department               | Name   | Signature |
|--------------------------|--|-----------|
| Prepared and Reviewed by | Analytical<br>Mr. Vipul Khadase<br>Jr. Executive |           |
| Approved By              | QA&QC<br>Dr. Ashish Keche<br>Director QA&QC      |           |

**Attachment** : HPLC, Mass, 1H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

### **Corporate Office**