## TC056  Alanine (From non-animal source), Cell Culture Tested

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
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<tbody>
<tr>
<td>TC056</td>
<td>100G</td>
</tr>
<tr>
<td>TC056</td>
<td>1KG</td>
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<tr>
<td>TC056</td>
<td>25G</td>
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<tr>
<td>TC056</td>
<td>500G</td>
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</tbody>
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### Product Information

- **Product Code**: TC056
- **Product Name**: Alanine (From non-animal source), Cell Culture Tested
- **Synonym**: 2-Aminopropionic acid
- **Molecular Formula**: C₃H₇NO₂
- **Molecular Weight**: 89.09
- **CAS No.**: 56-41-7
- **EC No.**: 200-273-8
- **HS Code**: 2922 49 85
- **Shelf Life**: 4 years

### Technical Specification

- **Appearance**: White crystals or powder
- **Solubility**: 100 mg soluble in 1 mL of water
- **pH (5% in water at 25°C)**: 5.70 - 6.70
- **FTIR (KBr disc)**: Matches with the standard pattern.
- **Melting range**: 295 - 297°C (dec.)
- **Sulphate (SO₄)**: NMT 0.02%
- **Iron (Fe)**: NMT 0.001%
- **Heavy metals**: NMT 0.001%
- **Chloride (Cl)**: NMT 0.02%
- **Ammonium (NH₄)**: NMT 0.02%
- **Arsenic (As)**: NMT 0.0001%
- **Residue on ignition**: NMT 0.1%
- **Loss on drying**: NMT 0.2%
- **Assay (NT on dry basis)**: 99.00 - 101.00%
- **Cell Culture Test**: Passes

### Risk and Safety Information

- **WGK**: 1
- **RTECS**: AY2990000
- **Storage Temperature(°C)**: Store below 30°C.

### Transport Information

- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
<table>
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