



## Specification

### Apramycin Sulfate

**CAS Number:** 65710-07-8  
**Molecular Formula:** C<sub>21</sub>H<sub>41</sub>N<sub>5</sub>O<sub>11</sub> - H<sub>2</sub>SO<sub>4</sub>  
**Molecular Weight:** 637.6  
**Storage:** 2-8°C

| Test   | Specification   |
|--|---|
| Appearance:  | Light yellow or yellowish-brown powder  |
| Content Apramycin (Dried Basis):                           | ≥ 550 U/mg  |
| Identification:  | Conforms  |
| Related Substance (Sulphate):                              | 26.0 to 33.0 %  |
| Related Substance (Caerulomycin & dipyrindyl derivatives): | The absorbance of test solution should be not more then the measurement of 5mg 2,2'-dipyrindyl solution |
| Related Compound (3-hydroxyapramycin):                     | ≤ 7.0 %   |
| Related Compound (Lividamine/2-deoxystreptamine-Combined): | ≤ 5.0 %   |
| Related Compound (Compound A):                             | ≤ 2.0 %   |
| Related Compound (Compound B):                             | ≤ 2.0 %   |
| Related Substances (Any other individual impurity):        | ≤ 2.0 %   |
| Related Compound (Total Impurities):                       | ≤ 15.0 %  |
| Sulphated Ash:   | ≤ 1.0 %   |
| Water:   | ≤ 14.0 %  |
| Heavy Metals:  | ≤ 0.002 %   |

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojiraafc.com](mailto:docsupport@gojiraafc.com)

Date: May 8, 2020