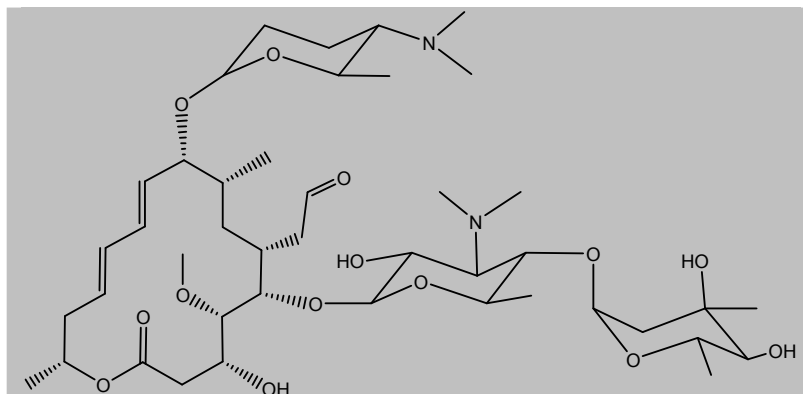


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 23/09/2013  
COA Revision Date: 23/09/2016

**Product:** Spiramycin  
**Cat. No.:** BG0318  
**Batch No.:** 0318BG/01  
**Chemical Name:** 2-[12-[5-(4,5-Dihydroxy-4,6-dimethyl-oxan-2-yl)oxy-4-dimethylamino-3-hydroxy-6-methyl-oxan-2-yl]oxy-8-(5-dimethylamino-6-methyl-oxan-2-yl)oxy-14-hydroxy-13-methoxy-2,9-dimethyl-16-oxo-1-oxacyclohexadeca-4,6-dien-11-yl]acetaldehyde

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>43</sub>H<sub>74</sub>N<sub>2</sub>O<sub>14</sub>  
**Batch Molecular Weight:** 843.05  
**CAS No.:** [8025-81-8]  
**Physical Appearance:** White or slightly yellowish powder  
**Melting Point:** 134 - 137° C  
**Solubility:** Slightly soluble in water, freely soluble in acetone, alcohol or methanol  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** A macrolide antibiotic produced by *Streptomyces ambofaciens*. The drug is effective against gram-positive aerobic pathogens, *N. gonorrhoeae*, and *Staphylococci*. It is used to treat infections caused by bacteria and *Toxoplasma gondii*. A mixture of Spiramycin I, II and III.

**References:** 1. Brook (1998) Clin Pharmacokinet 34:303

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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**BG0318 Spiramycin**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Specific optical rotation:  $-82^{\circ}$  (complies); pH: 9.4 (complies); Loss on drying: 2.1% (complies); Sulphated ash: < 0.1% (complies); Heavy Metals: < 20 ppm (complies); HPLC composition: 96.8% (complies); Assay (dried substance): 4546 IU/mg (complies).

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