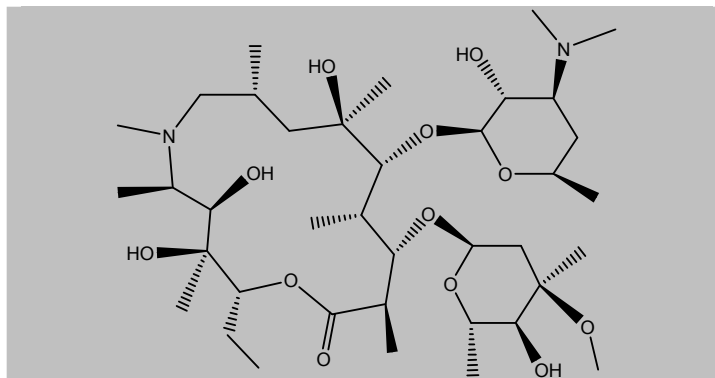


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 13/09/2013  
COA Revision Date: 13/09/2016

**Product:** **Azithromycin**  
**Cat. No.:** BG0099  
**Batch No.:** 0099BG/01  
**Chemical Name:** (2*R*,3*S*,4*R*,5*R*,8*R*,10*R*,11*R*,12*S*,13*S*,14*R*)-13-((2,6-Dideoxy-3-C-methyl-3-O-methyl- $\alpha$ -L-ribo-hexopyranosyl)oxy)-2-ethyl-3,4,10-trihydroxy-3,5,6,8,10,12,14-heptamethyl-11-((3,4,6-trideoxy-3-(dimethylamino)- $\beta$ -D-xylo-hexopyranosyl)oxy)-1-oxa-6-azacyclopentadecan-15-one

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>38</sub>H<sub>72</sub>N<sub>2</sub>O<sub>12</sub>  
**Batch Molecular Weight:** 748.98  
**CAS No.:** [83905-01-5]  
**Physical Appearance:** White powder  
**Melting Point:** 113 - 115° C  
**Solubility:** Slight soluble in water  
**Storage:** +4° C  
**Batch Molecular Structure:**



**Product Description:** **A semi-synthetic macrolide antibiotic structurally related to Erythromycin.**

**References:** 1. Panpanich et al. (2004) Cochrane Database Syst Rev CD001954

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

## Certificate Of Analysis

### Quality Control Testing and Research Application

COA Preparation Date: 13/09/2013  
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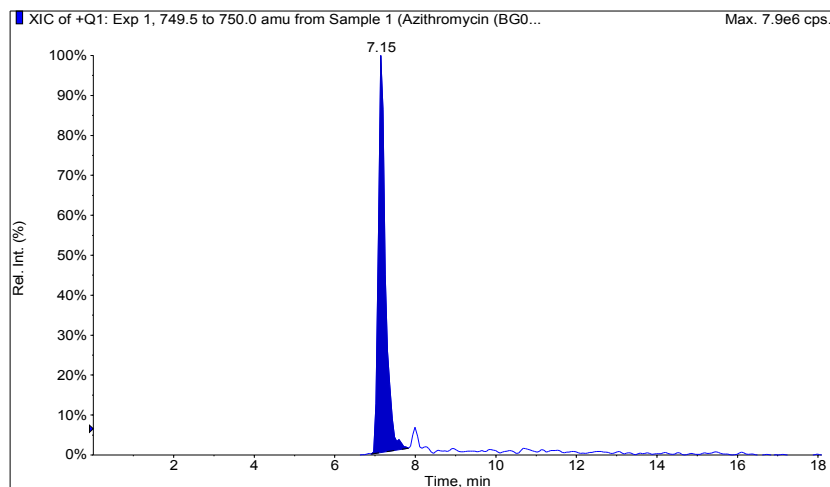
**BG0099 Azithromycin**

#### 2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Specific rotation:  $-47^\circ$  (complies); Heavy Metals: < 25 ppm (complies); HPLC Assay: 97.4% (complies).



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