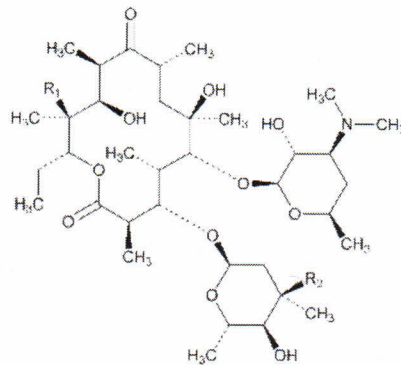


## Erythromycin EP10.7

Batch no 231101-2  
 Mf date Nov 03 2023  
 Retest Nov 02 2027  
 Batch size 895.6 kg

### Molecular Structure



Erythromycin	R <sub>1</sub>	R <sub>2</sub>
A	OH	OCH <sub>3</sub>
B	H	OCH <sub>3</sub>
C	OH	OH

Molecular Formula C<sub>17</sub>H<sub>27</sub>NO<sub>13</sub>  
 Molecular Weight 733.93  
 CAS Registry Number 114-07-8

Feb 21 2024

Tests	Specifications	Results
Appearance	White or off-white crystalline powder	Conforms
Identification	IR	Positive
Specific rotation	-71.0 ~ -78.0°	-74.0°
Related substances	Impurity A ≤ 2.0% Impurity B ≤ 2.0% Impurity C ≤ 3.0% Impurity D ≤ 1.0% Impurity E ≤ 1.0% Impurity F ≤ 1.0% Impurity H ≤ 1.0% Impurity L ≤ 0.4% Any other impurity ≤ 0.4% Total impurities ≤ 7.0%	0.6% 0.33% 0.86% 0.22% 0.02% 0.001% 0.01% 0.008% 0.14% 2.4%
Thiocyanate	≤ 0.3%	0.03%
Water	≤ 6.5%	0.5%
Sulfated ash	≤ 0.2%	0.03%
Residual solvents	Methylene chloride ≤ 600 ppm	ND
Assay (oab)	Erythromycin B ≤ 5.0% Erythromycin C ≤ 5.0% Erythromycin (A+B+C) 93.0 ~ 102.0%	0.33% 0.86% 97.3%

Packing & storage	Preserve in tight containers and store in a dry place.
Conclusion	Material complies with EP10.7