


C2. 16 poz. 6

## CERTIFICATE OF ANALYSIS

## 1. Identification

<b>Catalogue Number:</b>	C685450	<b>CAS Number:</b>	360-68-9
<b>Product:</b>	Coprostan-3-ol	<b>Synonym:</b>	5 $\beta$ -Cholestan-3 $\beta$ -ol; (3 $\beta$ ,5 $\beta$ )-Cholestan-3-ol; 3 $\beta$ -Hydroxy-5 $\beta$ -cholestanol; 5 $\beta$ -Coprostanol; Coprostan-3 $\beta$ -ol; Coprostanol; Coprosterol; Koprosterin; Koprosterol; NSC 18175; NSC 5060; Stercorin
<b>Structure:</b>		<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>48</sub> O
		<b>Molecular weight:</b>	388.67
		<b>Source of Product:</b>	Synthetic
		<b>Solubility:</b>	Chloroform (Slightly), Ethyl Acetate (Slightly)
<b>Lot Number:</b>	1-JAY-163-1	<b>Purity:</b>	96%
<b>Shipping Condition:</b>	This Product Is Stable To Be Shipped At Room Temperature	<b>Storage Condition:</b>	Refrigerator

## 2. Warning

<b>Warning 1:</b>	Not Determined	<b>Warning 2:</b>		<b>Warning 3:</b>	
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## 3. Analytical Information



Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 83.24, %H: 12.38
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+26.4° (c = 0.2, Chloroform)
GC	>95%	99.49%

## Additional Information:

TLC Conditions: SiO<sub>2</sub>; Hexanes : Ethyl Acetate = 7 : 3; Visualized with AMCS and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.40. Elemental Analysis: (Theoretical) %C: 83.44, %H: 12.45

Purity is based on the analytical results of the tests performed. NMR and TLC may have an accuracy + -2%. Isotopic purity is based on mass distribution observed.

## 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Philip Chan 	My Nguyen 	12/03/2018	12/01/2022