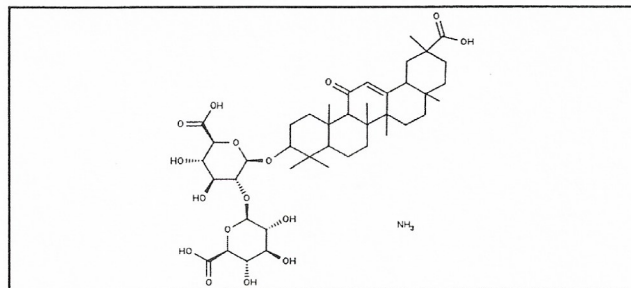


**INDOFINE Chemical Company, Inc.**

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**Certificate Of Analysis****020128****GLYCYRRHIZIN AMMONIACAL****Lot No.: 20051440**

CAS RN	53956-04-0
MOL FORMULA	C <sub>42</sub> H <sub>65</sub> NO <sub>16</sub>
MOL WEIGHT	839,98



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige powder	Conform
Chirality	Optical rotation	°	$[\alpha]_D = +(50 \pm 5) c=0,4$ in MeOH, 20°C	+53
Water content	KF	% w/w		4,4
Residual solvents	GC-HS	% w/w		0,7
Purity	HPLC	% area	≥ 90,0	91,2

LONG TERM STORAGE : Below 8°C in a dry and dark place

TRANSPORT CONDITIONS : Ambient temperature

Prepared by:

*Ramesh Mandadi*

Ramesh Mandadi  
Director of Operations

Reviewed and Approved by:

*Sujata Moton*

Sujata Moton  
VP