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## Product Information

### DIGOXIN SIGMA REFERENCE STANDARD

Product No. **D6770**

Lot No: 101K8807

Storage Temperature: Room Temperature

Formula:  $C_{41}H_{64}O_{14}$

Formula Weight: 780.94

CAS No: 20830-75-5

Synonyms: Card-20(22)-enolide, 3-[(O-2,6-dideoxy- $\beta$ -D-ribo-hexopyranosyl-(1 $\rightarrow$  4)-O-2,6-dideoxy- $\beta$ -D-ribo-hexopyranosyl-(1 $\rightarrow$  4)-2,6-dideoxy- $\beta$ -D-ribo-hexopyranosyl)oxy]-12,14-dihydroxy-, (3 $\beta$ ,5 $\beta$ ,12 $\beta$ )-3 $\beta$ -[(O-2,6-Dideoxy- $\beta$ -D-ribo-hexopyranosyl-(1 $\rightarrow$  4)-O-2,6-dideoxy- $\beta$ -D-ribo-hexopyranosyl-(1 $\rightarrow$  4)-2,6-dideoxy- $\beta$ -D-ribo-hexopyranosyl)oxy]-12 $\beta$ ,14-dihydroxy-5 $\beta$ -card-20(22)-enolide.

#### Product Description

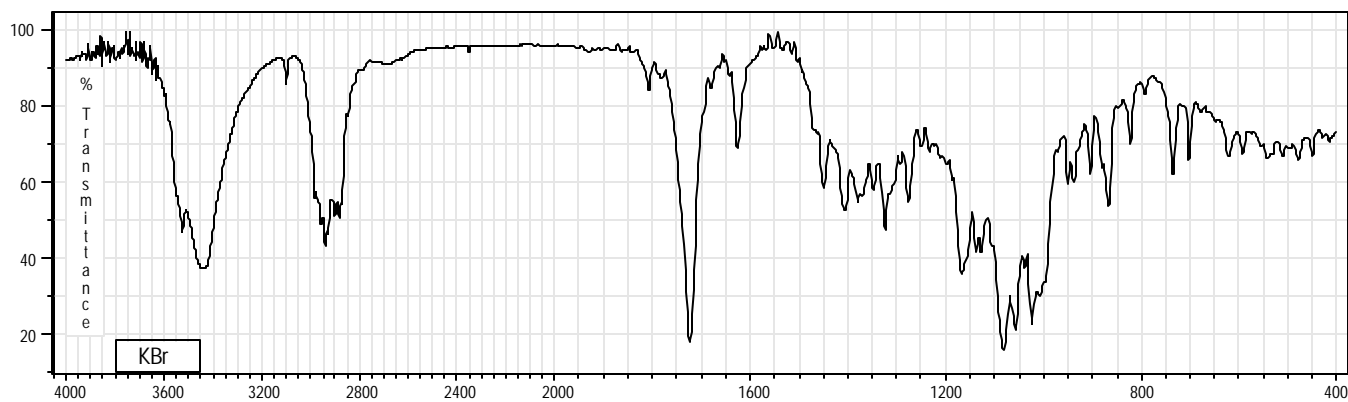
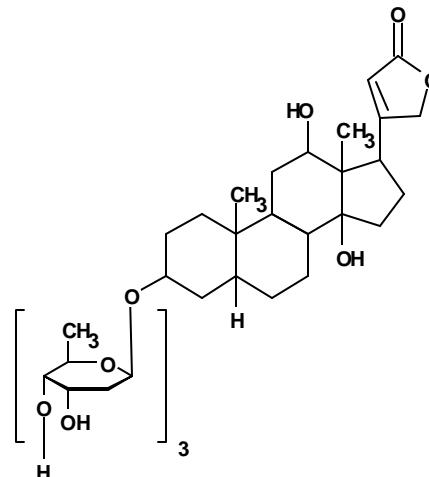
This product meets USP specifications (Current through USP 24, 4th Supplement), and is traceable to USP Reference Standard lot N-1

Store in sealed vial at room temperature. Protect from light. Dry a portion in vacuum at 105°C for 1 hour before using. Use promptly. Discard unused material.

TEST	USP 24 SPECIFICATIONS	Result Sigma R.S. Lot 101K8807
Infrared absorption spectrum KBr dispersion <197K>	compares to standard	conforms to USP RS lot N-1
Identification B	retention time of major peak in the chromatogram of the <i>Assay preparation</i> corresponds to that of the <i>Standard Preparation</i> as obtained in the Assay	conforms to USP RS lot N-1
Identification C	R <sub>f</sub> value of the principle blue spot on thin-layer chromatogram of the <i>Test solution</i> corresponds to that obtained from the <i>Standard solution</i>	conforms
Loss on Drying <731>	not more than 1.0%	conforms
Residue on ignition <281>	not more than 0.5% from a 100 mg sample	conforms
Related glycosides Thin-layer chromatography	not more than 3% of any related glycoside as gitoxin	conforms
Assay High Performance Liquid Chromatography <621>	not less than 95.0% and not more than 101.0%	101.0%

See reverse side for IR spectrum of Sigma Reference Standard.

**DIGOXIN**  
**SIGMA REFERENCE STANDARD**  
Product No. **D6770**  
Lot 101K8807



INFRARED SPECTRUM

KBr dispersion  
Wavenumbers (cm<sup>-1</sup>)

10/2001

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Please see reverse side of the invoice or packing slip.