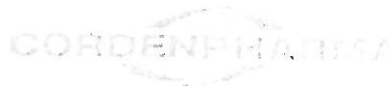


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Analytical results

Product name: 1,2-Distearoyl-sn-glycero-3-phosphoethanolamine	Product Code: LP-R4-020
(DSPE)	CAS-No.: 1069-79-0
Lot No.: C0549	
Formula: C₄₁H₈₂NO₈P	MW: 748.08
Structure:	C: 65.83 %
$ \begin{array}{c} \text{H}_2\text{C}-\text{O}-\text{CO}-(\text{CH}_2)_{16}-\text{CH}_3 \\ \\ \text{H}-\text{C}-\text{O}-\text{CO}-(\text{CH}_2)_{16}-\text{CH}_3 \\ \\ \text{H}_2\text{C}-\text{O}-\text{PO}_2^{\ominus}-\text{O}-\text{CH}_2-\text{CH}_2-\text{NH}_3^{\oplus} \end{array} $	H: 11.05 %
	N: 1.87 %
	O: 17.11 %
	P: 4.14 %

# <u>Test</u>	<u>Result</u>
1 Appearance	powder
2 Colour	white
<u>Identity</u>	
3 IR spectrum	conforms
4 Melting point	197 °C
5 Optical rotation	+ 5.5°
<u>Purity</u>	
6 Assay (HPLC)	98.5%
7 HPTLC	99.1 %
8 Fatty acid	99.9 %
9 Water content	0.3 %
10 LoD	0.0 %

Legend: n.d. = not detected; n.q. = not quantifiable

Analytical Number	C0549-0
Date of Analysis	March 2011
Recommended Storage:	At 2-8°C, away from direct light.
Recommended use:	Not for human or animal use

Quality Control 	Issued: November 18, 2014
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