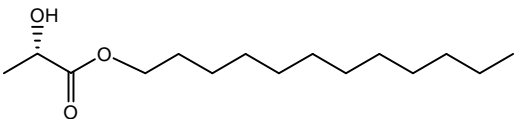




Product Specification Sheet

Product name	Chrystaphyl®						
Product Code	CLI-0401						
Structure	 <p>The chemical structure shows a dodecyl chain (12 carbons) attached to the oxygen of a propionic acid derivative. The propionic acid part has a hydroxyl group (-OH) on the second carbon, which is shown with a dashed bond, indicating it is in the (S) configuration. The carbonyl group is also shown.</p>						
R&D grade	Available in 1g, 100g, 500g and 10Kg shipments						
cGMP grade	Production schedule and cost available on request						
Material/Product	Lauryl Lactate; Dodecyl Lactate Dodecyl (S)-2-hydroxypropionate (S)-2-Hydroxypropionic acid dodecyl ester						
Formula	C ₁₅ H ₃₀ O ₃						
FW	258.40						
Appearance	pale yellow liquid or off white solid						
Density (d)	0.88 - 0.93 (23°C)						
Refractive Index (n_D)	1.440 - 1.450 (23°C)						
FTIR (neat)	consistent with structure						
¹H NMR (400 MHz; CDCl₃)	consistent with structure						
Purity determined by GC-FID	>95%						
Primary process impurity	Dodecanol						
Residual solvent	Petroleum Ether						
Elemental Analysis	<table><thead><tr><th></th><th>Theoretical</th></tr></thead><tbody><tr><td>C</td><td>69.72</td></tr><tr><td>H</td><td>11.70</td></tr></tbody></table>		Theoretical	C	69.72	H	11.70
	Theoretical						
C	69.72						
H	11.70						
Process	Proprietary						
Comments	Store at RT						