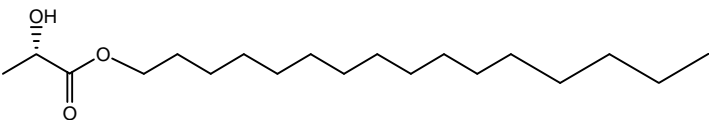




Product Specification Sheet

Product name	Cetyl Lactate						
Product Code	CLI-0403						
Structure	 <p>The chemical structure shows a cetyl lactate molecule. It consists of a three-carbon lactate chain with a hydroxyl group on the second carbon (indicated by a dashed bond) and a carbonyl group on the third carbon. The carbonyl oxygen is bonded to a long, straight hydrocarbon chain representing the cetyl group.</p>						
R&D grade	Available in 1g, 100g and 500g shipments						
cGMP grade	Production schedule and cost available on request						
Material/Product	Cetyl Lactate; Hexadecyl Lactate 2-Hydroxypropionic acid hexadecyl ester						
Formula	$C_{19}H_{38}O_3$						
FW	314.50						
Appearance	White to off-white solid						
Melting point (mp)	38-44°C						
Refractive Index (n_D)	NA						
FTIR (neat)	Consistent with structure						
1H NMR (400 MHz; $CDCl_3$)	Consistent with structure						
Purity determined by GC-FID	>95%						
Primary process impurity	Hexadecanol						
Residual solvent	Diisopropyl Ether						
Elemental Analysis	<table><thead><tr><th></th><th><u>Theoretical</u></th></tr></thead><tbody><tr><td>C</td><td>72.56</td></tr><tr><td>H</td><td>12.18</td></tr></tbody></table>		<u>Theoretical</u>	C	72.56	H	12.18
	<u>Theoretical</u>						
C	72.56						
H	12.18						
Process	Proprietary						
Comments	Store at RT						