




## Spezifikation

Produktbezug:	
Produktnummer	1200222SU
Handelsname / Bezeichnung	Alpha-Liponsäure, USP DL-Thioctic acid
CAS Nummer	1200-22-2
Andere Bezeichnungen / Synonyme	•(R)-(+)-1,2-Dithiola; •(R)-(+)-1,2-Dithiolane-3-pentanoic acid; •5-[(3R)-dithiolan-3-yl]pentanoic acid; •5-[(3R)-dithiolan-3-yl]valeric acid; •Liponsäure; •R-alpha lipoic acid;
EG Nummer	1308068-626-2
Molekulargewicht [g/mol]	206.318
Formel	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub> S <sub>2</sub>
<b>Achtung</b>  Gesundheitsschädlich bei Verschlucken. Verursacht Hautreizungen. Verursacht schwere Augenreizung. Nach Gebrauch gründlich waschen. Bei Gebrauch nicht essen, trinken oder rauchen. Schutzhandschuhe/Schutzkleidung /Augenschutz/Gesichtsschutz tragen. Besondere Behandlung (siehe Angaben auf diesem Kennzeichnungsetikett). Mund ausspülen.	

Parameter	Spezifikation	Einheit
<b>Sensorische Prüfung</b>		
Aussehen	Gelbe Kristalle	
<b>Physikalische Parameter</b>		
Trocknungsverlust	≤ 0,5	%
Spezifische optische Drehung	110 ~ 120	°
Schmelzbereich	48 – 51	°C
Schüttdichte	0,25 – 0,35	g/ml
<b>Identifikation</b>		
Gehalt	≥ 99,00	%
<b>Verunreinigungen</b>		
Glührückstand	≤ 0,1	%
Schwermetalle (als Pb)	≤ 10	ppm
<b>Elementare Verunreinigungen</b>		
Arsen (As)	≤ 2	ppm
Cadmium (Cd)	≤ 1	ppm
Quecksilber (Hg)	≤ 0,1	ppm
Blei (Pb)	≤ 3	ppm
<b>Mikrobiologische Daten</b>		
Escherichia Coli.	Neg.	CFU/g
Salmonellen	Neg.	
Gesamtkeimzahl	≤ 1,000	CFU/g
Schimmel und Hefe	≤ 100	CFU/g
<b>Partikelgrößenverteilung</b>		
Partikel	100 % bis 40 Mesh	%

### Zusätzliche Angaben:

**Zusammenfassung:** Entspricht dem USP-Standard

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 06. Oct. 2021

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