



SPÓŁDZIELNIA PRACY CHEMIKÓW

• **xenon** •

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POLAND

QUALITY SPECIFICATION

ZINCUM LACTATE

Chemical name: Zincum L(+)-2-hydroxypropionate dihydrate
Formula: $\text{Zn}(\text{C}_3\text{H}_5\text{O}_3)_2 \cdot 2\text{H}_2\text{O}$
Molecular mass: 279,5
CAS number: 63179-81-7

Test	Unit	Specification
Characters		White crystalline powder
Solubility		Soluble in water and insoluble in ethyl alcohol.
Identification	Passes test	conforming
pH 5% solution		5,0÷8,0
Chlorides (Cl^-)	%	max 0,02
Sulfates (SO_4^{2-})	%	max 0,04
Iron (Fe^{3+})	%	max 0,005
Heavy metals (Pb^{2+})	%	max 0,002
Loss on drying (125 ⁰ C)	%	10,5÷13,5
Assay [$\text{Zn}(\text{C}_3\text{H}_5\text{O}_3)_2$]	%	98,0÷102,0
Zincum (Zn^{2+})	%	23,2÷24,5
<i>Number of bacteria</i>		<i>≤ 1000 CFU in 1g or 1ml</i>
<i>Fam. Enterobacteriaceae</i>		<i>≤ 100 CFU in 1g or 1ml</i>
<i>Number of mould and yeast</i>		<i>≤ 100 CFU in 1g or 1ml</i>
<i>Escherichia coli</i>		<i>absent in 1g or 1ml</i>

Valid from: 04.05.2015

We hereby certify that this material is not manufactured using any material of animal origin, therefore it cannot be a source of BSE.