

## Product Specification

Business Unit Material Protection Products

Spec.-No. 62029902  
Version 006  
Date 2025-09-12

Page 1 von 2

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### Nagardo®

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Chemical Description	Glycolipids from Sweet Osmanthus Ear ( <i>Dacryopinax spathularia</i> )
Common Name	Glycolipids
INS / E Number.	246
CAS No.	2205009-17-0

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Description	Beige to light brown powder, weak characteristic odor
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### Specification

Test / test conditions	Limit / Range	Unit	Method
Appearance	pass		Visual assessment
Odor	pass		Olfactory assessment
Aqueous solubility (10 g/l)	pass		Shake-flask
Turbidity (10 g/l in water)	<= 28	NTU	Turbidity meter
pH-value (10 g/l in water)	5.0 – 7.0		Potentiometric
Water content	< 5.0	% (m)	Karl Fischer titration
Total protein	< 3.0	% (m)	Kjeldahl (N x 6.25)
Total fat	< 2.0	% (m)	Gravimetric
Sodium	1.7 – 3.3	% (m)	AAS
Total glycolipids (dry weight basis, as sodium salt)	>=93	% (m)	LX MPP LA-1027
Identity	pass		LX MPP LA-1024
Heavy metals			ICP-MS
- As	<= 1.00	mg/kg	
- Cd	<= 0.10	mg/kg	
- Hg	<= 0.10	mg/kg	
- Ni	<= 2.00	mg/kg	
- Pb	<= 0.70	mg/kg	

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Replaces Version: 005

Reason: Addition of E 246 / INS 246 number and removal of storage conditions.

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Page 2 von 2

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Microbial purity			
- TAMC (total aerial microbial count)	<= 100	CFU/g	
- TYMC (total yeast/mold count)	<= 10	CFU/g	
- Coliforms	<= 3	MPN/g	
- <i>Escherichia coli</i>	<= 3	MPN/g	
- <i>Salmonella</i> spec., absent in 25 g	pass		

Specification values are subject to constant monitoring.

The product meets the specific purity requirements of the Annex to Commission Regulation (EU) No 231/2012 of 9 March 2012 (laying down specifications for food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council) for E 246 Glycolipids.

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### Further Information

The Safety Data Sheet should be observed. This contains further information on handling, product safety and ecology.

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## Product specification

LANXESS Corporation  
Material Protection Products  
111 RIDC Park West Drive  
Pittsburgh, PA 15275  
Phone: 1-800-LANXESS

Spec. No. SPM00000486E  
Issue 001  
Material No. 62009902  
Country USA  
Date 2022-10-28  
Page 1 of 2

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### NAGARDO USA

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CAS-No. 2205009-17-0  
Chemical description Glycolipids from Sweet Osmanthus Ear (*Dacryopinax spathularia*)

#### Specification

Characteristic	Specification	Unit
01. Appearance, visual Beige to light brown powder	complies	
02. Olfactory assessment Weak, characteristic	complies	
03. Shake-Flask Aqueous solubility (10 g/l)	complies	
04. Turbidity meter Turbidity (10 g/l in water)	<= 28	NTU
05. Potentiometric pH-value (10 g/l in water)	5.0 - 7.0	
06. Karl Fischer titration Water content	< 5.0	% (m)
07. Kjeldahl (N x 6.25) Total protein	< 3.0	% (m)
08. Gravimetric Total fat	< 2.0	% (m)
09. AAS Sodium	1.7 - 3.3	% (m)
10. Gas chromatography Total glycolipids (dry weight basis, as sodium salt)	>= 93.0	% (m)
11. HPLC-MS Identity (standard chromatogram and mass spectra)	complies	
12. ICP-MS As	<= 1.00	mg/kg
Cd	<= 1.00	mg/kg
Hg	<= 1.00	mg/kg
Ni	<= 2.00	mg/kg
Pb	<= 2.00	mg/kg
13. Microbial purity TAMC (total aerial microbial count)	<= 100	CFU/g
TYMC (total yeast/mold count)	<= 10	CFU/g
Coliforms	<= 3	MPN/g
Escherichia coli	<= 3	MPN/g
Salmonella spec., absent in 25 g	complies	

Specification values are subject to constant monitoring.

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Material Protection Products  
111 RIDC Park West Drive  
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Spec. No.	SPM00000486E
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Page 2 of 2

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**NAGARDO  
USA**

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### Storage

Store at room temperatures or below under dry conditions in a closed container.

### Further information

The safety data sheet 103000003852 should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety and ecology. For additional technical information see „Product Information“.

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