

Certificate of Analysis

Delivery Address

Email Address

Product Name	Expancel 461 DE 20.d70 BAGS 6X5 KG		
Lot Number		Order Number	
Material Number	8018324	Production Date	2022-10-13
Customer Reference	4361258583	Printing Date	2022-11-08
Delivery Number		Best before	2025-10-12
Comments			

Sublot no	Analysis Of	Analysis Results	Unit	Minimum	Maximum
001 to 004	Density	71.4	kg/m3	64.0	76.0
005 to 009	Density	73.0	kg/m3	64.0	76.0
010 to 014	Density	70.8	kg/m3	64.0	76.0
015 to 019	Density	68.7	kg/m3	64.0	76.0
020 to 024	Density	69.1	kg/m3	64.0	76.0
025 to 029	Density	72.0	kg/m3	64.0	76.0
030 to 034	Density	71.8	kg/m3	64.0	76.0
035 to 039	Density	72.5	kg/m3	64.0	76.0
040 to 044	Density	67.5	kg/m3	64.0	76.0
045 to 047	Density	68.9	kg/m3	64.0	76.0
048	Density	68.7	kg/m3	64.0	76.0

We hereby confirm that our delivery of Expancel® microspheres conforms to our specification. Our management system is certified according to ISO 9001 and ISO 14001. This document is printed by EDP and valid without signature.

Quality Manager

Elin Svensson

Page Number

1/1

Certificate of Analysis

Delivery Address

Email Address

Product Name	Expancel 461 DE 20.d70 BAGS 6X5 KG		
Lot Number		Order Number	
Material Number	8018324	Production Date	2022-10-14
Customer Reference	4361293740	Printing Date	2022-11-09
Delivery Number		Best before	2025-10-13
Comments			

Sublot no	Analysis Of	Analysis Results	Unit	Minimum	Maximum
001 to 004	Density	68.1	kg/m3	64.0	76.0
005 to 009	Density	70.7	kg/m3	64.0	76.0
010 to 014	Density	72.0	kg/m3	64.0	76.0
015 to 019	Density	69.6	kg/m3	64.0	76.0
020 to 024	Density	68.5	kg/m3	64.0	76.0
025 to 029	Density	69.5	kg/m3	64.0	76.0
030 to 034	Density	71.3	kg/m3	64.0	76.0
035 to 039	Density	70.8	kg/m3	64.0	76.0
040 to 044	Density	72.3	kg/m3	64.0	76.0
045 to 048	Density	71.3	kg/m3	64.0	76.0

We hereby confirm that our delivery of Expancel® microspheres conforms to our specification. Our management system is certified according to ISO 9001 and ISO 14001. This document is printed by EDP and valid without signature.

Quality Manager

Elin Svensson

Page Number

1/1

Certificate of Analysis

Delivery Address

Email Address

Product Name	Expancel 461 DE 20.d70 BAGS 6X5 KG		
Lot Number		Order Number	
Material Number	8018324	Production Date	2022-10-28
Customer Reference	4361226930	Printing Date	2022-11-07
Delivery Number		Best before	2025-10-27
Comments			

Sublot no	Analysis Of	Analysis Results	Unit	Minimum	Maximum
001 to 004	Density	72.4	kg/m3	64.0	76.0
005 to 009	Density	72.0	kg/m3	64.0	76.0
010 to 014	Density	71.5	kg/m3	64.0	76.0
015 to 019	Density	70.9	kg/m3	64.0	76.0
020 to 024	Density	71.6	kg/m3	64.0	76.0
025 to 029	Density	70.8	kg/m3	64.0	76.0
030 to 034	Density	69.9	kg/m3	64.0	76.0
035 to 044	Density	70.0	kg/m3	64.0	76.0
045 to 048	Density	68.0	kg/m3	64.0	76.0

We hereby confirm that our delivery of Expancel® microspheres conforms to our specification. Our management system is certified according to ISO 9001 and ISO 14001. This document is printed by EDP and valid without signature.

Quality Manager

Elin Svensson

Page Number

1/1

Certificate of Analysis

Delivery Address

Email Address

Product Name	Expancel 461 DE 20.d70 BAGS 6X5 KG		
Lot Number		Order Number	
Material Number	8018324	Production Date	2022-11-15
Customer Reference	4361258581	Printing Date	2022-11-23
Delivery Number		Best before	2025-11-14
Comments			

Sublot no	Analysis Of	Analysis Results	Unit	Minimum	Maximum
006 to 009	Density	72.4	kg/m3	64.0	76.0
010 to 014	Density	71.3	kg/m3	64.0	76.0
015 to 019	Density	67.4	kg/m3	64.0	76.0
020 to 024	Density	68.7	kg/m3	64.0	76.0
025 to 029	Density	69.5	kg/m3	64.0	76.0
030 to 034	Density	68.6	kg/m3	64.0	76.0
035 to 039	Density	70.1	kg/m3	64.0	76.0
040 to 044	Density	71.2	kg/m3	64.0	76.0
045 to 049	Density	71.1	kg/m3	64.0	76.0
050 to 052	Density	67.5	kg/m3	64.0	76.0
053	Density	68.7	kg/m3	64.0	76.0

We hereby confirm that our delivery of Expancel® microspheres conforms to our specification. Our management system is certified according to ISO 9001 and ISO 14001. This document is printed by EDP and valid without signature.

Quality Manager

Elin Svensson

Page Number

1/1