

Global Perlita Sp. z o. o.
Radomska 39

26-670 Pionki
Poland

Certificate of Analysis

No. 2025008845

Date of certificate: 14-3-2025
Instruction received on 12-3-2025
Sample received 12-3-2025
Start of laboratory activities 12-3-2025
End of laboratory activities 14-3-2025
Product Perlite
Packing 4 Plastic jar
Sample quantity 1 kg
Sample temperature Ambient
Sample sealed No



Customer sample information

Product Perlite
Product label code Perlite

Test Results:

Expanded MU¹

Package

Dioxins

WHO PCDD/F-TEQ excl. LOQ 2005	0,006 ng/kg	± 0,001
WHO PCDD/F-TEQ incl. LOQ 2005	0,085 ng/kg	± 0,014
WHO PCDD/F + DL-PCBs TEQ excl. LOQ 2005	0,006 ng/kg	± 0,001
WHO PCDD/F + DL-PCBs TEQ incl. LOQ 2005	0,141 ng/kg	± 0,024
<i>Polychlorinated dibenzodioxins</i>		
2,3,7,8-TCDD (1746-01-6)	Less than 0,025 ng/kg	
1,2,3,7,8-PeCDD (40321-76-4)	Less than 0,025 ng/kg	
1,2,3,4,7,8-HxCDD (39227-28-6)	Less than 0,025 ng/kg	
1,2,3,6,7,8-HxCDD (57653-85-7)	Less than 0,025 ng/kg	
1,2,3,7,8,9-HxCDD (19408-74-3)	Less than 0,025 ng/kg	
1,2,3,4,6,7,8-HpCDD (35822-46-9)	0,430 ng/kg	± 0,146

¹ The expanded measurement uncertainty is an estimated range of values that your measurement result could confidently (95%) be within.

All reported results are approved by the responsible labmanager.

The results of the examination refer exclusively to the checked samples, as received by NofaLab. This certificate may only be duplicated in total or if authorized by NofaLab in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. Interpretations of analysis results stated on this certificate are excluded from our scope of accreditation.

All analysis are performed at Jan van Galenstraat 51.

Our general terms & conditions are available on our website www.nofalab.nl.

NofaLab B.V. Phone: +31 10 4279620
Jan van Galenstraat 41/51 Fax: +31 10 4279629
NL - 3115 JG Schiedam E-mail: customerservice@nofalab.nl

Nofalab is certified by:



Nofalab is accredited by the council of the federation:



Results reported are expressed in product unless clearly stated otherwise.

Certificate No. **2025008845** Expanded MU¹
Date: 14-3-2025

OCDD (3268-87-9)	6,060 ng/kg	± 0,788
<i>Polychlorinated dibenzofurans</i>		
2,3,7,8-TCDF (51207-31-9)	Less than 0,025 ng/kg	
1,2,3,7,8-PeCDF (57117-41-6)	Less than 0,025 ng/kg	
2,3,4,7,8-PeCDF (57117-31-4)	Less than 0,025 ng/kg	
1,2,3,4,7,8-HxCDF (70648-26-9)	Less than 0,025 ng/kg	
1,2,3,6,7,8-HxCDF (57117-44-9)	Less than 0,025 ng/kg	
2,3,4,6,7,8-HxCDF (60851-34-5)	Less than 0,025 ng/kg	
1,2,3,7,8,9-HxCDF (72918-21-9)	Less than 0,025 ng/kg	
1,2,3,4,6,7,8-HpCDF (67562-39-4)	Less than 0,025 ng/kg	
1,2,3,4,7,8,9-HpCDF (55673-89-7)	Less than 0,025 ng/kg	
OCDF (39001-02-0)	Less than 0,100 ng/kg	

Dioxin like PCB's

PCB 77 (80333-65-9)	Less than 1,000 ng/kg	
PCB 81 (70362-50-4)	Less than 1,000 ng/kg	
PCB 126 (57465-28-8)	Less than 0,250 ng/kg	
PCB 169 (56-25-7)	Less than 1,000 ng/kg	
PCB 105 (35899-54-8)	Less than 5,000 ng/kg	
PCB 114 (74472-37-0)	Less than 5,000 ng/kg	
PCB 118 (31508-00-6)	Less than 5,000 ng/kg	
PCB 123 (65510-44-3)	Less than 5,000 ng/kg	
PCB 156 (38380-08-4)	Less than 5,000 ng/kg	
PCB 157 (69782-90-7)	Less than 5,000 ng/kg	
PCB 167 (52663-72-6)	Less than 5,000 ng/kg	
PCB 189 (39635-31-9)	Less than 5,000 ng/kg	
WHO-PCB-TEQ (WHO 2005) excl. LOQ	0,000 ng/kg	
WHO-PCB-TEQ (WHO 2005) incl. LOQ	0,057 ng/kg	± 0,011

Non dioxin like PCB's

PCB 28 (7012-37-5)	Less than 0,050 µg/kg	
PCB 52 (35693-99-3)	Less than 0,050 µg/kg	
PCB 101 (37680-73-2)	Less than 0,050 µg/kg	
PCB 138 (35065-28-2)	Less than 0,050 µg/kg	
PCB 153 (8020-83-5)	Less than 0,050 µg/kg	
PCB 180 (35065-29-3)	Less than 0,050 µg/kg	

¹ The expanded measurement uncertainty is an estimated range of values that your measurement result could confidently (95%) be within.

All reported results are approved by the responsible labmanager.

The results of the examination refer exclusively to the checked samples, as received by NofaLab. This certificate may only be duplicated in total or if authorized by NofaLab in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. Interpretations of analysis results stated on this certificate are excluded from our scope of accreditation.

All analysis are performed at Jan van Galenstraat 51.

Our general terms & conditions are available on our website www.nofalab.nl.

NofaLab B.V. Phone: +31 10 4279620
Jan van Galenstraat 41/51 Fax: +31 10 4279629
NL - 3115 JG Schiedam E-mail: customerservice@nofalab.nl

Nofalab is certified by:



Nofalab is accredited by the council of the federation:



Results reported are expressed in product unless clearly stated otherwise.

Certificate No. 2025008845 **Expanded MU¹**
Date: 14-3-2025

PCB SUM (PCB 28, 52, 101, 138, 153, 180) incl.LOQ Less than 0,300 µg/kg

Package

Arsenic (As) (7440-38-2)	1,17 mg/kg
Cadmium (Cd) (7440-43-9)	0,015 mg/kg
Lead (Pb) (7439-92-1)	0,65 mg/kg
Mercury (Hg) (7439-97-6)	Less than 0,02 mg/kg

CERTIFICATE OF ANALYSIS

¹ The expanded measurement uncertainty is an estimated range of values that your measurement result could confidently (95%) be within.

All reported results are approved by the responsible labmanager.

The results of the examination refer exclusively to the checked samples, as received by NofaLab. This certificate may only be duplicated in total or if authorized by NofaLab in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. Interpretations of analysis results stated on this certificate are excluded from our scope of accreditation.

All analysis are performed at Jan van Galenstraat 51.

Our general terms & conditions are available on our website www.nofalab.nl.

NofaLab B.V. Phone: +31 10 4279620
 Jan van Galenstraat 41/51 Fax: +31 10 4279629
 NL - 3115 JG Schiedam E-mail: customerservice@nofalab.nl

Nofalab is certified by:



Nofalab is accredited by the council of the federation:



Results reported are expressed in product unless clearly stated otherwise.

GMP023912

Certificate No.

2025008845

Date:

14-3-2025

ANNEX

Sample Determination

Method	Determination of metals, sulfur and phosphorus
Analysis	Arsenic (As), Cadmium (Cd), Lead (Pb), Mercury (Hg)
Norm	In-house method
WI	NL/26b
Device	ICP-MS/MS
Method	Non dioxin-like PCB's
Analysis	Non dioxin like PCB's
Norm	In-house method
WI	NL/22b
Device	APGC TQXS
Method	Dioxins & Dioxin-like PCB's
Analysis	Dioxins, Dioxin like PCB's
Norm	In accordance with Directive (EU) nr. 2017/771 (for Feed)
WI	NL/22b
Device	APGC TQXS

Sample preparation

Method	Pressure digestion
Norm	In accordance with NEN 13805
Method	Dioxins sample preparation (Feed)
Norm	In accordance with NEN-EN 16215
WI	NL/22a
Method	Dioxins sample preparation (Feed)
Norm	In accordance with NEN-EN 16215
WI	NL/22a

NofaLab B.V.
F. Cobussen
Managing Director



* The expanded measurement uncertainty is an estimated range of values that your measurement result could confidently (95%) be within.

All reported results are approved by the responsible lab manager.

The results of the examination refer exclusively to the checked samples, as received by NofaLab. This certificate may only be duplicated in total or if authorized by NofaLab in written form. Additional information concerning the performance characteristics of this analysis such as measurement uncertainty is available upon request. Interpretations of analysis results stated on this certificate are excluded from our scope of accreditation.

All analysis are performed at Jan van Galenstraat 51.

Our general terms & conditions are available on our website www.nofalab.nl.

NofaLab B.V. Phone: +31 10 4279620
Jan van Galenstraat 41/51 Fax: +31 10 4279629
NL - 3115 JG Schiedam E-mail: customerservice@nofalab.nl

Nofalab is certified by:



Nofalab is accredited by the council of the federation:



Results reported are expressed in product unless clearly stated otherwise.