

METAPHARMACEUTICAL

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Algando

Certificate of Analysis

BASF SE

Attention! Please note that the certificates of analysis are also conveniently available on your BASF online portal.

SIEMSGLUSS IBERICA, S.A.

2025-01-28

Certificate No 5156

POL.INDL.ST.ANTONI, PARCELA NAVE 2

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Lee, Yuri

08620 SANT VICENÇ DELS HORTS BARCELONA

G-ENN/OG +82-63-469-2479

Spain

Certificate of Analysis according to DIN 55350-18-4.2.2

Riboflavin High Flow 100 (HF)

Material Order 50175050

25KG Fibreboard boxes

Order Delivery 3387841978 000010

Purchase order/Customer material

Batch Batch/Qty 3539162587 000010 RIB3788HF

A-2250049

Batch/Qty Total 500.000 KG 500.000 KG

Test parameter	Requirements	UoM	Results
Appearance	Yellow or Orange-yellow Crystalline powder.	Ι,	Complies
Identification¹ (Ph.Eur., Meth.A)	Must conform		Complies
Identification¹ (Ph.Eur., Meth.B)	Must conform		Complies
Identification¹ (Ph.Eur., Meth.C)	Must conform		Complies
Identification¹ (USP)	Must conform		Complies
Identification(2) ¹ (JP)	Must conform		Complies
Specific optical rotation (Ph.Eur.)	-115 to -135	degree	-128
Specific optical rotation (USP)	-115 to -135	degree	-120
Specific optical rotation ² (FCC)	+56.5 to +59.5	degree	Complies
Absorbance Absorption(Ph.Eur.) Maxima A 373/267 nm A 444/267 nm	223, 267, 373, 444nm 0.31 to 0.33 0.36 to 0.39		Complies 0.32 0.38

The above-mentioned data describes the relevant parameters of the product at the time of issuing this certificate of analysis (CoA). The data is controlled at regular intervals as part of our quality assurance program and is provided for reference only. The contractually agreed quality of the product at the time of passing of risk is exclusively determined by our product specification. Unless specifically agreed by the Parties in writing signed by authorized representatives, no suitability for a particular use shall be presumed or implied based on the CoA and the customer is solely responsible for determining and verifying the suitability of the use of the product for any purpose.



We create chemistry

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Riboflavin High Flow 100 (HF)

Material

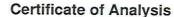
50175050

Order 3387841978 000010
25KG Fibreboard boxes Delivery 3539162587 000010

Purchase order/Customer material Batch RIB3788HF
A-2250049 Batch/Qty 500.000 KG
Total 500.000 KG

Test parameter	Requirements	UoM	Results	
Related substances(Ph.Eur.	••••••••••••••••••••••••••••••••••••••			
Impurity A			0.000	
Impurity B	Max. 0.025g/100g Max. 0.2g/100g		0.008 0.04	
Impurity C	Max. 0.2g/100g		0.0	
Impurity D	Max. 0.2g/100g			
Unspecified impurities	Max. 0.10g/100g each		0.1	
Total Impurities			0.00	
Total impullities	Max. 0.5g/100g		0.1	
Lumiflavin (USP)	Max. 0.025		0.001	
Lumiflavin (JECFA)	Max. 0.025g/100g		0.008	
Sulfated ash				
(Ph.Eur.)	Max. 0.1g/100g	%	0.03	
A Committee of the comm	012g/ 100g	,,,	0.00	
Residue on ignition				
(USP)	Max. 0.3	%	0.03	
		25%		
Loss on drying				
(Ph.Eur.)	Max. 1.5g/100g	%	0.7	
Assay				
(Ph.Eur.)	Min.97.0/100g to 103.0/	100g %	100.2	
Assay				
(USP)	Min.98.0/100g to 102.0/	100g %	99.0	
Assay				
(JECFA)	Min.98.0/100g to 101.0/	100g %	100.2	

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Riboflavin High Flow 100 (HF)

Material

50175050

Order

3387841978 000010

25KG Fibreboard boxes

Delivery

3539162587 000010

Purchase order/Customer material

Batch

RIB3788HF

A-2250049

(KP ICP)

Batch/Qty Total

500.000 KG 500.000 KG

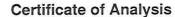
Test parameter	Requirements	UoM Result	ts
Total microbial aerobic c (USP)	ount³ Max. 1000 Cfu/g	g Compli	ies
Total combined yeast and -mould count ³ (USP)	Max. 100 Cfu/	g Compli	ies
Enterobacteria and other -negative bacteria³(USP)	gram Max. 100 Cfu/	g Compl:	ies
Escherichia Coli³ (Ph.Eur.)	Negative	Negati	ive
Salmonella³ (Ph.Eur.)	Negative	Negat	ive
Staphylococcus aureus³ (Ph.Eur.)	Negative	Negat	ive
Pseudomonas aeruginosa³ (Ph.Eur.)	Negative	Negat	ive
Heavy metals ³ (USP)	Max. 10mg/kg	Comp1:	ies
Lead ³ (KP ICP)	Max. img/kg	Compl:	ies
Cadmium ³	ands 50 7100		

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Complies

Max.

1mg/kg







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Riboflavin High Flow 100 (HF)

Material

50175050

Order 3387841978 000010

25KG Fibreboard boxes Delivery 3539162587 000010

UoM Results Test parameter Requirements Mercury³ (KP ICP) Max. 0.1mg/kg Complies Arsenic³ Max. (KP ICP) Complies 1mg/kg Particle size <250µm3 (SOP-0855) Min. 99g/100g Complies

- 1. May also be determined by other means/methods(General Notices Ph.Eur/USP)
- 2. Not routinely tested
- 3. Ensured by quality assurance and therefore not routinely tested.

 QC-Reference-No.
 FP-HF-240627

 Production date
 27.06.2024

 Best before - Retest date
 26.06.2028

The product meets the requirements of the current USP/EP/FCC/JP/E101/JECFA monographs.

BASF Company Ltd. 57, Oehang 4-gil, Gunsan-si, Jeollabuk-do, Korea

G-ENN/OG Quality Control sig. Lee, Yuri

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