

Bagian: QC

Due Date : 08 Oct 2026

Tanggal : 16 Sep 2026

ANALISA PERMINTAAN BARANG

No	Kode Barang	Nama Barang	Satuan	Stok Saat Ini (A)	Rencana Kebutuhan (B)	Kekurangan (A -B + C)	Pending Penerimaan (C)	Jumlah	Realisasi Pembelian	Realisasi Penggunaan
1	IMO10028	Jasa Analisa Kadar pada Bahan Baku Hydroxypropylcellulose - Klucel LF	Js	0	1	-1	0	1	0	0

Catatan :

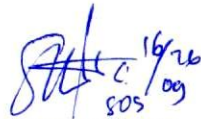
- Pemenuhan parameter kadar pada bahan baku Hydroxypropylcellulose - Klucel LF dengan nomor batch
1. 260630 Ex. Ashland
- Estimasi harga : Rp.2,000,000/Batch
- Pengujian eksternal pertama kali dilakukan di PT.TUV NORD Indonesia

Latar Belakang Permintaan

- Sehubungan dengan belum tersedia reagen adipic acid, methylcyclohexane, o-hexane dan belum tersedia kolom 0.53 -mm x 30-m fused silica capillary, lapisan 3-µm fase GI, maka diperlukan pengujian parameter tersebut secara eksternal.

Terlampir metode bahan awal Klucel LF, CoA, dan penawaran harga.

Dibuat


16/09/26
SOS

Mengetahui


16/09/26

LIST PARAMETER BAHAN BAKU BELUM BISA DIKERJAKAN OLEH QC

No.	Parameter	Nama Bahan	Kendala di QC	Keterangan (Bisa/Tidak oleh R&D)
57	Kadar	Metolose (Hypromellose)	Belum tersedia instrumen GC dengan detektor TCD. Belum tersedia reagen - adipic acid - methyl iodine belum tersedia kolom - 0.53 -mm x 30-m fused silika capillary, lapisan 3- μ m fase GI.	Belum tersedia instrumen GC dengan detektor TCD. Belum tersedia reagen - adipic acid - methyl iodine belum tersedia kolom - 0.53 -mm x 30-m fused silika capillary, lapisan 3- μ m fase GI.
58	Difraksi Sinar-X	Vortioxetine	Tidak terdapat instrumen XRD	Tidak terdapat instrumen XRD
59	Difraksi Sinar-X	Brintellix	Tidak terdapat instrumen XRD	Tidak terdapat instrumen XRD
60	TEG	PEG 6000	Belum pengembangan metode oleh RnD dan belum tersedia kolom GC	Belum pengembangan metode dan belum tersedia kolom GC
61	Nitriloacetic Acid	Dinatrium Edetate	Sudah pernah trial, namun masih gagal	Sudah pernah trial, namun masih gagal
62	Kadar	Hydroxypropylcellulose	Belum tersedia reagen - adipic acid - methylcyclohexane - o-hexane belum tersedia kolom - 0.53 -mm x 30-m fused silika capillary, lapisan 3- μ m fase GI.	Belum tersedia reagen - adipic acid - methylcyclohexane - o-hexane belum tersedia kolom - 0.53 -mm x 30-m fused silika capillary, lapisan 3- μ m fase GI.

WBO 16/26
09

QUOTATION

Quotation Date May 06, 2025
Expiration Date June 06, 2025

Quotation No.



To Ms Julfriaeni La Sabatini Br Bangun
Company PT. Mersifarma Tirmaku Mercusana
Address Jl. Raya Pelabuhan Km.18 Cikembar,
Cikembar, Kab. Sukabumi,
Sukabumi
Jawa Barat
Indonesia

Phone -
Fax -
Mobile Phone -
Email Address Julfriaeni_Bangun@mersifarma.com

No	SERVICES	METHOD	PRICE	QTY	DISC%	PC%	TOTAL
HPC LH-11				Priority	normal		
1	Hypromellose Assay : - % Metoxy Group USP 43 NF 38 2022 Hypromellose monograph - % Hydroxy Propoxy Group USP 43 NF 38 2022 Hypromellose monograph		2,000,000	2	10	0	3,600,000
Sub Total (IDR)							3,600,000

Remarks : Min sampel : 100 gr atau 100ml Lead Time : 8 hari kerja	Total (IDR)	4,000,000
	Discount (IDR)	400,000
	Priority Chrg (IDR)	0
	Sub Total (IDR)	3,600,000
	VAT (IDR)	396,000
	Grand Total (IDR)	3,996,000

With our experience and expertise in ITC (Inspection, Testing & Certification) business we also offer you one stop solution with special discount for another valuable services that we can provided:

Services	
System Certification(Additional Scheme)	ISO 9001, ISO 14001, ISO 45001, ISO 27001, ISO 37001, ISO 50001, IATF, ISO 22000, FSSC 22000, HACCP, ISPO, ISCC, etc.

Laboratorium PT TUV NORD Indonesia

Jl.Science Timur 1 Blok B3-F1
Kawasan industri jababeka V
Kel. Setajaya Kec. Cikarang Timur
Kabupaten Bekasi - Jawa Barat - 17530

Email cslab.id@tuv-nord.com
Phone +62 21 29574720



TUVNORDGROUP



QUOTATION

Quotation Date May 06, 2025
Expiration Date June 06, 2025

Quotation No.



QT.25050122

Product Certification	SNI, CE, GS, etc.
Inspection	Rack Inspection, QA/QC Inspection, etc.
Training	In House Training for All Management Systems Topic (Awareness, Internal Audit, Documentation, etc.)

For complete information please feel free to contact our Sales Representative.

Created by **Jakti Dipo**

Customer Approval: 





Certificate of Analysis

PT TATARASA PRIMATAMA SELVIA NPWP 001.998.077.0-038.000 RUKO SENTRA NIAGA PURI INDAH BLOK T2/23 PURI KEMBANGAN JAKAR 11610 JAKARTA INDONESIA	Customer Order: TP/P/VI/20260540 Shipped Quantity: 3.000 DR Shipped From: ASI US HOPEWELL PLT Order Number: 0009059229/000010 Delivery: 0853048702/000010 Date Shipped: August 04 , 2026 Sold To Number: 699022
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KLUCEL LF PHARM DRUM 45.36KG

klucel™ lf pharm hydroxypropylcellulose

Material Number: 424851

Batch: 260630

Characteristics	Specification	Results
Loss on Drying, as Packaged, %, USP < 731 >	0.0 - 5.0	1.3
Moles of Substitution, NF	2.0 - 4.1	3.9
Hydroxypropoxy Groups, %, NF	53.4 - 80.5	75.3
5% Visc., Water, (1@30) 25 C, cps, USP < 912 >	75 - 150	81
pH, USP < 791 >	5.0 - 8.0	6.5
PSZE - total thru 30, %, USP < 786 > Airjet	85.0 - 100.0	97.6
PSZE - on 20 and above, %, USP < 786 > Airjet	0.0 - 1.0	0.5
PSZE - on 30 and above, %, USP < 786 > Airjet	0.0 - 15.0	2.4
Residue on Ignition, % , USP < 281 >	0.0 - 0.8	0.3
Silica, %, < or= 0.6%, NF	PASS	PASS
5% Visc., 10 Sec-1, 20 C, cps, EP < 2.2.10 >	75 - 140	83
Date of Manufacture		July 07 , 2026
Best If Used By		July 06 , 2031

Printed:

August 04 , 2026

19:01:08



Certificate of Analysis

KLUCEL LF PHARM DRUM 45.36KG
klucel™ lf pharm hydroxypropylcellulose

Material Number: 424851
Batch: 260630

Characteristics	Specification	Results
Shipped Quantity		3.000 DR

Notes:

Data shown above are from actual lot analysis.

All Klucel LF PHARM and LXF PHARM products have a nominal viscosity based on the EP monograph of 100 cps and a nominal viscosity based on the USP NF of 110 cps

Certified range data below are based on intermittent testing.

Lead, ppm - not more than 2

Heavy metals, ppm - not more than 20

The quality of the above lot conforms to the monograph for Hydroxypropyl Cellulose in the compendia of the NF, Ph.Eur., ChP, and JP current editions.

GMP Compliance: Manufactured in a dedicated facility using current IPEC-PQG GMPs for excipients.

Residual Solvents: Meets requirements of USP <467>, Ph Eur 5.4 and ICH Q3C.

Identification Testing: Meets requirements of NF, Ph.Eur., ChP, and JP.

This COA is printed from a secure computer system ensuring the batch was properly released by the Quality Department and is valid without signature.

Manufactured by:
ASHLAND SPECIALTY INGREDIENTS G.P.
AFFILIATE OF ASHLAND
1111 HERCULES ROAD
HOPEWELL VA 23860
USA

Contact:

SUREERAT KANJANAKUL

Email:

sureerat.kanjanakul@ashland.com



PT. MERSIFARMA TM.
DIVISI MANUFACTURING
SUKABUMI-INDONESIA

METODE BAHAN AWAL
KLUCEL LF
RAW MATERIAL METHOD
KLUCEL LF

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Document no

RD.02-MBP/148.00

Valid date

23 JAN 2025

DEPARTMENT
RESEARCH AND DEVELOPMENT

SECTION
ANALYTICAL DEVELOPMENT

Disusun Oleh :
Prepared By :

Diperiksa Oleh :
Checked By :

Disetujui Oleh :
Approved By :

Changed no

Valid date

Jonathan Stefanus

AD Staff

Date : 15/01/25

Ita Aryani

AD Supervisor

Date : 16/01/25

Reza Aulia Gusfi

AD Manager

Date : 17/01/25

Head of R&D

Date : 19/01/25

Manager QA

Date : 23/01/25

PENETAPAN KADAR^(1,2)

ASSAY

- Persyaratan** : Sesuai dengan spesifikasi bahan awal yang berlaku.
Requirement : In accordance with the applicable raw material specifications.
- Metode** : Gas Chromatography
Inspection Method
- Kondisi pengerjaan GC**
GC Working Conditions
- 1. Detektor** : Flame Ionization
Detector
 - 2. Kolom** : 0.53 mm x 30 m fused silica capillary, coated with a 3 µm layer of phase G1.
Column
 - 3. Suhu detektor** : 280°C
Detector temperature
 - 4. Suhu injektor** : 180°C
Injector temperature
 - 5. Carrier gas** : Helium.
Gas carrier
 - 6. Volume injeksi** : 2 µL
Injection volume
 - 7. Tipe injeksi** : Split; split ratio, 50:1
Injection type
 - 8. Run time** : 15 menit
 - 9. Kolom :**
Column :

Initial Temperature (°)	Temperature Ramp (°/min)	Final Temperature	Hold Time at Final Temperature
40	0	40	3
40	10	100	-
100	50	250	3

Larutan Standar internal

Internal Standard Solution

- 1. Larutkan 1.0 g Methylcyclohexane dalam 50 mL o-xylene.**
Dissolve 1.0 g Methylcyclohexane in 50 mL o-xylene.