



THE DOVECHEM GROUP  
CHINA • INDONESIA • MALAYSIA • SINGAPORE

PT. DOVER CHEMICAL

Jl. Raya Merak Km. 117, Kelurahan Gerem  
Kecamatan Grogol Kota Cilegon  
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www.dovechem.co.id

## CERTIFICATE OF ANALYSIS

We certify that the below product *has passed* quality control tests at our laboratory

<b>Product Name</b> : PARAFORMALDEHYDE 86%	<b>Manufacturing Date</b> : June 02, 2022
<b>Customer</b> : Ark Co., Ltd.	<b>Expiry Date</b> : June 01, 2023

Parameters	Specifications	Analysis Result
		Lot. No. 22F0286B1
Appearance	Free Flowing Prill	FREE FLOWING PRILL
Particle Size (vol % at between 100 and 1000 µm)	> 90	97.6
Purity (wt%)	85 - 87	86.2
pH (10% aqueous solution)	7.0 - 9.0	8.2
Bulk Density (kg/m3)	650 - 850	804
Reactivity in Resorcinol (minutes)	2 - 8	5
<i>Impurities :</i>		
Acid content, as formic (ppm)	Max. 20	<2 (UNDETECTED)
Iron content, as Fe (ppm)	Max. 2	0.05
Ash content (ppm)	Max. 50	36
Note :		

Cilegon, November 02, 2022

Muhammad Defid Septian



Mohamad Septrio

Laboratory Analyst

Laboratory Supervisor

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Date Printed 2022-11-03 15:27:35 Counter Print 2



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## CERTIFICATE OF ANALYSIS

We certify that the below product *has passed* quality control tests at our laboratory.

Product Name : Paraformaldehyde 92%	Manufacturing Date : March 5, 2022
Customer :	Expiry Date : March 4, 2023

Parameters	Specification	Analysis Result
		Lot No. 22C0512B1
Appearance	Free flowing prill	Free flowing prill
Particle Size (vol % at between 100 and 1000 $\mu\text{m}$ )	> 90	93.5
Purity (wt %)	91 – 93	91.9
pH (10% aqueous solution)	4.0 – 7.0	6.3
Bulk density ( $\text{kg}/\text{m}^3$ )	650 – 850	848
Reactivity in Resorcinol (minutes)	2 – 8	4
<i>Impurities :</i>		
Acid content, as formic (ppm)	Max. 20	< 2 (undetected)
Iron content, as Fe (ppm)	Max. 2	0.11
Ash content (ppm)	Max. 50	22

Note:

Cilegon, March 8, 2022

M. Defid Septian  
Laboratory Analyst



Mohamad Septrio  
Laboratory Supervisor



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## CERTIFICATE OF ANALYSIS


We certify that the below product *has passed* quality control tests at our laboratory.

Product Name : Paraformaldehyde 96%	Manufacturing Date : February 19, 2022
Customer :	Expiry Date : February 18, 2023


Parameters	Specification	Analysis Result
		Lot No. 22B1926B2
Appearance	Free flowing prill	Free flowing prill
Particle Size (vol % at between 100 and 1000 $\mu\text{m}$ )	> 90	94.5
Purity (wt %)	95 – 97	95.8
pH (10% aqueous solution)	4.0 – 7.0	6.1
Bulk density ( $\text{kg}/\text{m}^3$ )	650 – 850	848
Reactivity in Resorcinol (minutes)	2 – 8	4
<i>Impurities :</i>		
Acid content, as formic (ppm)	Max. 20	< 2 (undetected)
Iron content, as Fe (ppm)	Max. 2	0.05
Ash content (ppm)	Max. 50	20

Note:

Cilegon, March 8, 2022

  
M. Defid Septian  
Laboratory Analyst



  
Mohamad Septrio  
Laboratory Supervisor