795

Rishabh Metals & Chemicals Pvt.Ltd.

RISHABH METALS & CHEMICALS PVT. LTD.

FINISHED GOOD Q. C. TEST REPORT FOR SPECIALITY CHEMICALS

Product Name : RL-5065
AR No. : RL261FGH 01674
Batch No. : 1001260167H
Quantity : 5900 KGS

Manufacturing Date : 23/01/26
Approval Date : 28/01/26
Packing Details : 5900 Kg x 01
Exp. Date = 22/07/26

Sr. No.	Test Parameters	Results
1	Physical Appearance	Amber color visc. liquid
2	Viscosity	78 CPS
3	PH	3.70
4	Specific Gravity @ 25°C	1.060
5	Solid Content / Active %	17.92 %
6	Ionicity	Cationic
7	Charge	0.123 Meq/gm
8	Solubility	Soluble in water
9	Turbidity	1.4 NTU
10	Color Gardner	NA
11	Presence of Grains / Gel	Absent
12	Stability Test / Boring Test	Pass
13	Performance Test / Cobb Value	NA
14	Tensile Strength Test / Chloride Content	7.21 N

RESULT : APPROVED / ~~REJECTED~~ BY QC

REMARKS : U/D High Viscosity

Analyzed By / Date
QC Executive 28/01/26

28/01/26
Approved By / Date
QC Manager / Incharge

FORM NO. SR-12-06, Rev : 00

No. 74 17

1674

Rishabh RISHABH METALS & CHEMICALS PVT. LTD.

Metals & Chemicals Pvt.Ltd.

SPECIALITY CHEMICALS MANUFACTURING DIVISION

PRODUCTION REPORT

D → 23/11/26

Sr.No.	Name of the Product	Batch Number	Batch Size (Kgs.)	Quantity Produced (Kgs.)	Packing Details
1)	RL-5065	100126 01674	6000 kg	5900 kg	→ Holding Rig for mixing. = 5900 kg × 0.1% = 5900 g Packing Details RL-9063 100126 0161 4 = 244 g 100126 0164 2 = 206 g 101125 0123 5 = 0.49 kg

Prepared by

23/11/26

Production Supervisor

Reviwed by

23/11/26

Production Manager

Format No. QAD / RJ / DP-07 / F / 002

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Rishabh Metals & Chemicals Pvt. Ltd.	RISHABH METALS & CHEMICAL PVT LTD.

TITLE: WORKSHEET FOR POLYMER PRODUCT			
DOCUMENT NO.	POLY/01/00	REVISION NO.	03
EFFECTIVE DATE :	01/10/2025	NEXT REVISION DUE	30/09/2028

DATA SHEET

Product Code:	RL – 5065	AR. No.	R/26/FGH 01674
Batch No.	100126 01674	No. of containers / packs	5900 kg x 01
Batch Quantity	5900 kg	Sampled quantity	500ml
Sampling date	24/01/26	Date of Analysis	24/01/26
Analyzed by	LA	Released Date	28/01/26

Sr. No.	Test	Results
01	Physical Appearance	Observation: Amber color visc liquid ✓ Complies / ~~Does not complies~~
02	Viscosity	Observation: 78 cps ✓ Complies / ~~Does not complies~~
03	pH	Observation: 3.70 ✓ Complies / ~~Does not complies~~
04	Specific Gravity	Observation: 1.060 ✓ Complies / ~~Does not complies~~
05	Solubility	Observation: Soluble in water ✓ Complies / ~~Does not complies~~
06	Ionicity	Observation: ✓ cationic / ~~Anionic / Non ionic~~ ✓ Complies / ~~Does not complies~~
07	Turbidity	Turbidity = 1.24 NTU ✓ Complies / ~~Does not complies~~

Analyzed By / Date:	Checked By / Date:
28/01/26 LA 24/1	28/01/26

Prepared By	Reviewed By	Approved By
LA 26/09/2025	29/09/2025	29/09/2025
Department Representative	Department Head	QA Head

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Rishabh Metals & Chemicals Pvt. Ltd.	RISHABH METALS & CHEMICAL PVT LTD.		
TITLE: WORKSHEET FOR POLYMER PRODUCT			
DOCUMENT NO.	POLY/01/00	REVISION NO.	03
EFFECTIVE DATE :	01/10/2025	NEXT REVISION DUE	30/09/2028

08	Charge	BR X 0.001 X 1000 / 10 ml = 23 x 0.001 x 1000 / 10 ml = 0.23 meq/liter
09	Solid Content	(I) Dish ID : (a) Weight of empty Dish (Y) 36.1296 gm Weight of Dish + Sample (X) 43.0100 gm Weight of sample (X-Y) = (Z) 6.8804 gm Weight of dried Sample with dish= (A) 37.3597 gm Net weight of dried Sample (A-Y) = (C) 1.2301 gm SC= (C/Z) x 100 = 1.2301 / 6.8804 x100 = 17.88 % (II) Dish ID : (b) Weight of empty Dish (Y) 35.4090 gm Weight of Dish + Sample (X) 41.1270 gm Weight of sample (X-Y) = (Z) 5.7180 gm Weight of dried Sample with dish = (A) 36.4354 gm Net weight of dried Sample(A-Y) = (C) 1.0264 gm SC=(C/Z) x 100 = 1.0264 / 5.7180 x100 = 17.95 % Avg.= (17.88 + 17.95) / 2 = 17.92 % Complies / ~~Does not complies~~
10	Stability	24 / 72 Hrs.at 80°C

Hours	pH	Viscosity
Initial	3.70	78 cps
72 hr	4.01	56 cps
-	-	-
-	-	-

Analyzed By / Date:	Checked By / Date:
28/01/26	28/01/26

Prepared By	Reviewed By	Approved By
26/09/2025	27/09/2025	29/09/2025
Department Representative	Department Head	QA Head

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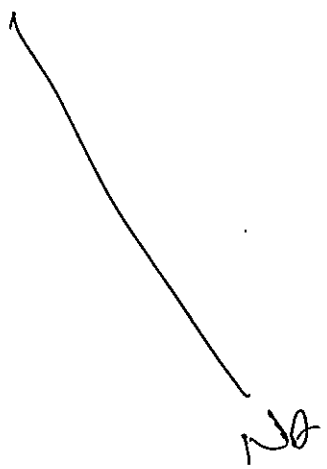
TITLE: WORKSHEET FOR POLYMER PRODUCT			
DOCUMENT NO.	POLY/01/00	REVISION NO.	03
EFFECTIVE DATE :	01/10/2025	NEXT REVISION DUE	30/09/2028

	Test		Results
11	Other Test	(1)	Grains / Gel = Absent
		(2)	Wet strength = 7.21 N



The product ~~complies~~ / under deviation / ~~not complies~~ to the specification

Remark: ~~Approved~~ / ~~Rejected~~

Analyzed By / Date	Reviewed By / Date	Approved By / Date
28/01/26	28/01/2026	30/01/2026

Prepared By	Reviewed By	Approved By
26/09/2025	27/09/2025	29/09/2025
Department Representative	Department Head	QA Head

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RISHABH METALS & CHEMICALS PVT.LTD

ACCEPTANCE UNDER DEVIATION FOR RAW MATERIAL/ FINISHED PRODUCTS/PACKING MATERIAL

Name of RM/FP/PM: RL-5065

Supplier Lot No. /Batch No: 100126 01674 Quantity: 5900 Kg

IMI/ A.R No: R126/FGI 01674 Vendor/Supplier Name: RMCPL

Date of Testing: 28/01/26

Parameters	Std.Specification	Inhouse RM specification	Test Results	Remarks
Viscosity	20 TO 80	30 TO 70	78 CPS	complies with Std specs but not complies with inhouse spec
			NA	

Kindly permit acceptance of the RM/FP/PM materials under deviation in respect of the above properties.

Approved By: QCM
Signature:
Date: 28/01/2026

Preapproval By : QAM
Signature:
Date: 30/01/2026

Approved By: ED
Signature:
Date:

Form No : RR-14-04, Rev: 00

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09/01/26

Quality Control Module

| Main Page |

- **Product Specification >> 5065322C >> 5065**

Shelf Life : 6 Months					
No.	**Selected Parameters**	**Factory Specifications**	**Marketing Specifications**	**Unit**	**Test Method**
1	Charge	0.15 To 0.25	0.15 To 0.25	Meq/lit	By Charge Analyser
2	Ionicity	Cationic	Cationic		By Chemical analysis
3	pH (of 2% solution)	3 To 4	3 To 7	-	By pH meter
4	Physical Appearance	Light yellow to amber color clear to hazy viscous liquid.	Light yellow to amber color clear to hazy viscous liquid.		Visually
5	Presence of Grains/Gel	Should be Absent	-	-	By filtration
6	Solid Content	17.2 To 18	16 To 18	%	By Loss on Drying
7	Solubility	Soluble in water	Soluble in water		By Solubility test
8	Specific Gravity @ 25°C	1.04 To 1.06	1.02 To 1.06		By Hydrometer
9	Stability (Polymer)	Within ± 10% of initial specs after 24 hrs at 80°C	Within ± 10% of initial specs after 24 hrs at 80°C		BY STABILITY TEST
10	Turbidity.	< 12		NTU	By Turbidity Meter
11	Viscosity	30 To 70	20 To 80	cps	Viscometer
12	Wet Strength (Performance Test)	Not less than 7.0	-	N	By Strength Tester
Special Instructions : Not Entered ...					

B.No:- 1001260167 4

28/01/26

Quality Control <quality@rmc.in>

Wet & % Wet Strength Of 5065

1 message

Research Development <rd@rmc.in> Sat, Jan 24, 2026 at 2:22 PM
To: Jitendra Choudhari <am-qc@rmc.in>, Quality Control <quality@rmc.in>
Cc: Sanjay Maske <am-rd@rmc.in>, Chandrashekhar Patil <chandrashekhar.p@rmc.in>, Sachin Maniyar <maniyar@rmc.in>, Srinivasan R <srinivasan.r@rmc.in>

Sr.No.	Sample Name	Batch No.	Dose	GSM	Strength In Newton	% Wet Strength Ratio
1	5065	10012601674	6Kg/T	61.57	7.21 N	25.31
2	5065	10012611675	6Kg/T	61.00	7.16 N	25.39

Thanks & Regards,
R & D Dept.
Siddarth Carbochem Products Ltd.

R12

RISHABH METALS & CHEMICALS PVT. LTD.

STORES REQUISITION SLIP POLYMER PLANT

2452

B. No.: 1001260 1674 Date: 21/1/2026

Product Name: RL 9065 Batch Capacity: 6000 Kgs.

Sr. No.	Particulars	Qty. Required Kgs.	Issued Qty. Kgs.	Suppliers Lot No. IMI No. / A.R.No.	Remarks
1	RL 9063			RL-9063	
2	1001260 1614	2144 kg.	2.64	1001260 1614	
3	1001260 1643	706 kg.	706	1001260 1643	
4	1011250 1235	0.119 kg.	0.119	1011250 1235	
5					
6					
7	7028	223.227 kg.	223.22	Pigment Mist	
8					
9					
10	2093 HCl	103.96 kg.	103.96	Pigment Mist	
11					
12	2110	297.021 kg.	297.03	Pigment Mist 0588	
13					
14					
15	2599	0.119 kg.	0.119	Pigment Mist	
16					
17					
18	IBC Tank				
19	200 Lt. Barrel				
20	50 Kg. Carboy			NA	
21	35 kg. Carboy				
22	25 kg. Bag				

21/1/26
Issued By

21/1/26
Production In-charge / Production Executive

ARN 21-01-26
Received By

Form No.:SR-20-08;Rev:00

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Rishabh Metals & Chemicals Pvt. Ltd.	RISHABH METALS AND CHEMICALS PVT. LTD.		
TITLE: RAW MATERIAL & PACKING MATERIAL ISSUANCE RECORD			
DOCUMENT NO.	STR/WI-20-02/F/004	REVISION NO.	00
EFFECTIVE DATE	01/10/2025	REVIEW DATE	30/09/2028

Product: RLF 5065 | Batch No: 16D1260167A | Date: 21/01/2026

Sr. No.	Raw Material	AR No.	No. of Barrel & Carboy	Barrel & Carboy Condition (Seal or Damage)	Labeling on each and Every Barrel & Carboy (Specific weight of this barrel & Carboy)	No. of Bags	Bags Condition (Seal or Damage)	Weight (Kg)	Expire Date Checked (If expired then Approval Mail)	Physical Appearance (If Possible)	Excess/Shortage Quantity (If any)	Remark	Prod. Rep.	Store Rep.
1)	7093	1108	3 Carboy	OK	OK	—	—	10kg	Sept-27					
2)	7110	6888 1052	—	—	OK	6 bags	OK	25.103kg	Nov-26				ARN	Kalyan
3)	7549	0548	1 bottle	OK	OK	—	—	0.149kg	May-26					
4)	7028	1151	By Line											
									NA					

PREPARED & ISSUED BY	REVIEWED BY	APPROVED BY
DESIGNATION: STORE EXECUTIVE	DESIGNATION: STORE MANAGER	DESIGNATION: QA MANAGER / MR
SIGNATURE:	SIGNATURE:	SIGNATURE:
DATE: 24/09/2025	DATE: 26/09/2025	DATE: 28/09/2025

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09/01/26

RISHABH METALS & CHEMICALS PVT. LTD.
MSME - UDYAM-MH-14-0001788
E-3, M.I.D.C.Area, JALGAON - 425003
(Additional Place of Business)

Gat No.213, Bambhori - 425002
Tal- Dharangaon, Dist- Jalgaon (MS)
Maharashtra - 425001, India
CIN: U24110MH1983PTC030239

Issue -Mtrl Voucher

No. : **25-26/3578** Dated : **21-Jan-26**
Ref.: **10012601674 dt. 21-Jan-26**

Item Name	Godown	Batch/Lot	Quantity
Source (Consumption)			
9063	Finished Goods - Approved	10012601614 *12-Jan-26 11-Jan-27*	244.000 Kgs
9063	Finished Goods - Approved	10012601647 *19-Jan-26 18-Jan-27*	706.000 Kgs
9063	Finished Goods - Approved	10112501235 *17-Nov-25 16-Nov-26*	0.490 Kgs
7028	Raw Material G 3 - Approved	R-260116-1330-2601374-ARN-1151 *17-Jan-26 16-Jan-27*	273.270 Kgs
7093	Raw Material G 3 - Approved	R-260102-1329-ARN-1108 *2-Jan-26 1-Sep-27*	103.960 Kgs
7110	Raw Material G 3 - Approved	R-251124-1123-ARN-0888 *24-Nov-25 23-Nov-26*	49.510 Kgs
7110	Raw Material G 3 - Approved	R-251222-1266-ARN-1052 *20-Dec-25 19-Jun-26*	247.520 Kgs
7599	Raw Material G 3 - Approved	R-250923-332-SSE0266-ARN-0543 *23-Sep-25 10-May-26*	0.149 Kgs
			1,624.899 Kgs

Narration: 10012601674:RL 5065:BC 6000:Date:-21.01.2026

21/01/26
Checked by

21/01/26
Verified by

ARN
21-01-26
Authorised Signatory

1. SCOPE

This Procedure is Applicable to the Manufacturing and Packing for the F.G. Product 5065.

1.1 STANDARD RECIPE

S.N.	RAW MATERIAL NAME	QTY (KGS)	RECIPE %	REMARKS
01	9063	1600	15.84	
02	7048	7365	72.92	
03	7028	460.0	4.554	
04	7053/ 7093	175.0	1.732	
05	7110	500.0	4.950	
06	7599	0.252	-	
	Batch Input/ Theoretical Capacity	**10100 Kgs**	**100 %**	
	Batch Output/ Practical Yield	**10000 Kgs**		
	Output Yield Range in Kgs	**9900 - 10100**		
	Output Yield Range in Percentage	**98 - 100**		

1.2 BATCH RECIPE

Cap:- 6000 kg

S.N.	RAW MATERIAL NAME	QTY (KGS)	SOLID %	REMARKS
01	9063	1600	7.921	950.49 kg
02	7048 (First Lot)	154.0	-	91.48 kg
03	7028	460.0	4.532	273.27 kg
04	7048 (Second Lot)	2131	-	1265.94 kg
05	7048 (Third Lot)	2131	-	1265.94 kg
06	7053/ 7093	175.0	0.520	103.96 kg
07	7048 (Fourth Lot)	2131	-	1265.94 Kg
08	7048 (S.C. Adjust)	818.0	-	485.94 kg
09	7110	500.0	4.925	297.03 kg
10	7599	0.252	-	0.149 kg
	Batch Input/ Theoretical Capacity	**10100 Kgs**	**17.90**	

PREPARED BY	CHECKED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

2. PRE OPERATING PROCEDURE

2.1 IMPORTANT NOTES

1. Make sure each batch of the same Product shall be manufactured by these Standard Operating Procedures.
2. Before starting the batch, read SOP carefully, and then start the batch as per given Instructions.
3. **Strictly follow given SOP procedure during batch process and note down each activities in B.M.R.**
4. **Use only Blue Ball Pen for filling the B.M.R. & Checklist** and Note all activity with clearly readable handwriting.
5. Any sample drawn for Lab Trial must be note down in B.M.R.
6. Take Gross Weight and Tare Weight of barrels/ carboys of Raw Material and note down in B.M.R.
7. While removing the Sample, **always use all required Safety Equipment (PPE)** like Hand Gloves, Safety Goggles and Safety Shoes Etc. and strictly follows all necessary Safety Precautions.
8. All In-House testing (Like Clarity, Color, Grains Etc.) must be properly note down in B.M.R.
9. All activities after Batch Finalization like 7048 addition, RM Addition, Sample Checking Etc. must be note down in the B.M.R. with time.
10. "Precautions/ Cautions/ Note" shall be written in Bold in the remarks columns of B.M.R.
11. In Process/ Process Parameter shall be clearly mentioned in the B.M.R.
12. Each B.M.R. shall be prepared by Production Operator, Checked by Production In-Charge/ Executive and Reviewed by Production Manager thereafter handed over to Q.A.

2.2 PRE CHECKS

1. Before starting the batch, ensure that all Raw Materials are approved by Q.C. and Note down their AR/ IMI Number in B.M.R.
2. Ensure all the raw materials are within required specifications and there after start the batch.

PREPARED BY	CHECKED BY	APPROVED BY
28/03/23	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

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Issued by
21/01/26

3. Before starting the batch, ensure that the pH Meter is calibrated.
4. Ensure the reactor is Clean, Empty & Proper working condition.
5. Ensure that reactor receiver water properly drain out.
6. Ensure all moving Parts like Agitator, Motor, Gearbox are in good condition and working normally.

2.3 PRE OPERATING STEPS

1. Clean the Reactor completely and this is to be ensured by Production In-Charge/ Executive and note down in B.M.R.
2. Ensure that the bottom valve of Reactor should be closed.
3. Empty out the Reactor Jacket, if required.
4. Weigh and Shift all Raw Materials near Reactor.

3. STANDRAD OPERATING PROCEDURE

3.1 BATCH OPERATING PROCEDURE

1) Close Manhole of the reactor.
2) Close bottom valve of reactor.
3) Start Vacuum Pump and open reactor vacuum pipe valve for charging the material.
4) **Charge 9063 as per batch recipe at RT by vacuum** from pre-weighed barrel or carboy to the reactor.
5) Start reactor stirring.
6) Then **add 7048 1st Lot from DM Water storage tank** to reactor as per batch recipe at RT.
7) Start cooling tower water circulation to reactor jacket and cool up to room temperature.
8) When the temperature reaches at RT then start chilled water circulation.
9) **Start 7028 addition at 20°C** and control the temperature near 20-25°C. Try to complete the addition within 4 hour - 4:30 hour.

NOTE: 7028 addition time may vary depend upon chilling water.

PREPARED BY	CHECKED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

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10) After complete addition of 7028, stop chilled water circulation and drain reactor jacket. Temperature increases automatically up to 30°C.

11) In case temperature goes beyond 30°C, open CT water inlet valve for 1-2 minutes and drain out water.

12) Once temp. goes to 30°C, **start maintained the batch near temp. 30°C ± 2°C for next 2 hour.**

13) After 02 hour maintaining, **add 7048 2nd Lot as per batch recipe at batch temp.**

14) After addition, start heating and increase the temp. up to 50°C.

NOTE: During increasing the temp. check viscosity continuously, whenever viscosity increase above 40 cps, start slowly addition of 7048 3rd Lot.

15) Once temp. goes to 50°C ± 2°C, **maintain the batch for 1 hour at same temp.**

NOTE: If viscosity not increases above 40 cps during temp. increasing as per point 13, then whenever viscosity increase above 40 cps during batch maintaining, start slowly addition of 7048 3rd Lot.

2) During addition of 7048 3rd Lot, if viscosity drops down below 40 cps, then stop 7048 3rd Lot addition and continue maintaining & wait to viscosity rises to 40 cps.

16) After 01 hour batch maintaining at 50°C ± 2°C, increase the temperature using hot push at 60°C ± 2°C & once temp. goes to 60°C, maintain the batch for 1 hour at same temp.

NOTE 1) If viscosity not increases above 40 cps during temp. maintaining as per point 15, then whenever viscosity increase above 40 cps, again start slowly addition of 7048 3rd Lot.

NOTE 2) During addition of 7048 3rd Lot, if viscosity drops down below 40 cps, then stop 7048 3rd Lot addition and continue maintaining & wait to viscosity rises to 40 cps.

17) After 01 hour batch maintaining at 60°C ± 2°C, increase the temperature using hot push at 70°C -75°C & once temp. goes to 70°C -75°C, **maintain the batch for 1 hour at same temp.**

NOTE 1) If viscosity not increases above 40 cps during temp. maintaining as per point 15, then whenever viscosity increase above 40 cps, again start slowly addition of 7048 3rd Lot.

PREPARED BY	CHECKED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

NOTE 2) During addition of 7048 3rd Lot, if viscosity drops down below 40 cps, then stop 7048 3rd Lot addition and continue maintaining & wait to viscosity rises to 40 cps.

18) After 1 hour maintaining near temp. 70°C - 75°C then start again **batch maintaining for next 5 hour at same temp.**

NOTE : After 5 hour maintaining, if batch not finalized then cool down the bath and wait for further instruction.

19) If batch viscosity increases, control the viscosity to rise gradually up to 40 cps & again start slowly remaining addition of 7048 3rd Lot.

20) After complete addition of 3rd lot, batch viscosity rises up to 500 to 800 cps at as it is temp.

21) When viscosity goes to 500 to 800 cps, **add 7048 4th lot and 7053/ 7093 simultaneously at batch temp as per batch recipe.**

22) Start cooling tower water circulation and cool down the batch at RT.

23) **Start 7048 addition for solid adjustment** as per batch recipe at RT.

24) **Add 7110 as per batch recipe in the reactor at RT.**

25) Remove sample form reactor slowly and check required parameter at RT in house or get it checked by Q.C.

26) Once all parameter matches with below specifications, **Add 7599 to the final material as per batch recipe.**

27) Filter batch through fine filter cloth or filtration system and pack as per packing requirement.

28) Note down final yield, testing results, packing details and all activities in B.M.R.

29) Prepare production slip & send to Q.C.

PREPARED BY	CHECKED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

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21/01/26

3.2 AIM FOR 5065 PRODUCT SPECIFICATIONS AT 25°C

S.N.	PARAMETER	SPECIFICATION LIMITS
1	Physical Appearance	Light yellow to amber color clear to hazy viscous liquid.
2	Viscosity	20 - 80 cps
3	pH	3 - 7
4	Specific Gravity @ 25°C	1.02 - 1.06
5	Solid Content	17.2 - 18.0 %
6	Turbidity	< 12 NTU

4. PACKING OF MATERIAL

1. HDPE Blue Color Barrels, Carboys or Transparent I.B.C. shall be used for Packing and Note down Proper Packing Detail in B.M.R. & Packing Checklist.

2. After total batch unloading, clean reactor properly and all equipment like motor, gearbox, reactor valve, and agitator must be closed.

5. RESPONSIBILITY

01	Preparation of B.M.R.	Operator/ Supervisor – Production
02	Checking of B.M.R.	Executive/ In-Charge – Production
03	Review of B.M.R.	Manager – Production
04	Review of B.M.R.	Executive – Q.A.
05	Approval of B.M.R.	Manager – Q.A.

6. REVISION HISTORY

REVISION NO.	EFFECTIVE DATE	DESCRIPTION OF CHANGE
00	04/12/2020	NEW SOP
01	04/05/2021	In batch recipe, 7048 qty. revised
02	31/03/2023	1. In batch recipe, replace 7004 as 7110 due high pricing of 7004. 2. Recipe revises for resolving the BNPM.

PREPARED BY	CHECKED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
IN-CHARGE (PRODUCTION)	MANAGER (PRODUCTION)	MANAGER (Q.A.)

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Rishabh Metals & Chemicals Pvt. Ltd.

RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) — NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 01 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH SUMMARY SHEET	Supersedes: REV : 00
Process Start Shift : 2nd		Equipment Tag No.:
Process Completion Shift: 2nd	Batch Start Date & Time : 22/01/26	BATCH NUMBER
Total Time Cycle (Hrs) : 25:45	Completion Date & Time : 23/01/26	000.10012601674

Batch Reconciliation

Input Caps. (Kgs)	Output Caps. (Kgs)	Total Loss (Kgs)	Actual Yield Percentage	Theoretical Yield Percentage
6000 kg	5900 kg	100 kg	98.33 %	98% -100 %

Time Cycle

S.N.	BATCH ACTIVITY	START TIME (Hrs)	END TIME (Hrs)	TOTAL TIME (Hrs)	REMARKS
1	RM charging	13:15	15:15	02:00	
2	7028 addition	15:15	19:45	04:30	
3	Batch Maintaining	19:45	21:45	02:00	
4	Batch Finalization	21:45	09:30	11:45	
5	7110 addition	09:30	10:30	01:00	
6	Sample Checking	10:30	12:00	01:30	
7	Final Adjustment	12:00	15:00	03:00	
8	Batch Unloading	15:30	—	—	
--	Total Time			25:45	

Packing Material

S.N.	Packing	Packing Details	Total Packing (Kgs)	I.M.I. / AR No.	Received By	Checked By	Remarks
1	Barrels						
2	Carboys						
3	I.B.C.						
4	Others						
--	Total	No. of Unit :		--	--	--	

Remarks (If any)

Batch Hold in R-17 for mixing

Reviewed By	Approved By
24/1/26	30/01/2026
Manager - Production	Manager - Q.A.

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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Rishabh Metals & Chemicals Pvt. Ltd.

RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 02 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS SHEET	Supersedes: REV : 00
Equipment Tag No.: R-17		BATCH NUMBER GOO 1[illegible]12601674
Stirrer Belt Condition Check by —— OK	Batch Start Date : 22/01/26	
Reactor Cleaned by	Babu P.	Reactor Cleaning Checked: Anil
Batch Started by (Prod. Executive)	Mahesh	Batch Started by (Operator): Anil
Batch Completed by (Prod. Executive)	Tushar	Batch Completed by (Operator): Raju

S.N.	RM NAME	QTY (KGS)	I.M.I./ A.R. NUMBER	RECEIVED BY	CHECKED BY	REMARKS
1	9063	950.4g	1001260[illegible] 1001260[illegible]	Anil	Mahesh	
2	7048 - First lot	91.48	—	Anil	Mahesh	
3	7028	273.22	1157	Anil	Mahesh	
4	7048 - Second lot	1265.9g	—	Anil	Mahesh	
5	7048 - Third lot	1265.9g	—	Anil	Vijay	
6	7048 - Fourth lot	1265.9g	—	Raju	Vijay	
7	7093/ 7053	102.96	1108	Raju	Vijay	
8	7048 - Solid Ad.	485.9g	—	Raju	Tushar	
9	7110	297.03	1052	Raju	Tushar	
10	7599	8.14g	0578	Raju	Tushar	
–	Total Qty (Kgs)		–		–	–

Inhouse Test Results @ 25°C

Phy. App. : Light yellow color visc. liq.	
Sp. Gravity : 1.060	pH : 3.80
Viscosity : 80	Solid Content : 17.34
Final Results : Output : Kgs	Yield = 5900 kg
Packing Details : ——	

Remarks :

Batch Hold in R-17 for mixing

Prepared By	Reviewed By
Mahesh 22/01/26	22/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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Rishabh Metals & Chemicals Pvt. Ltd.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 03 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 22/01/2026		BATCH NUMBER
Process Start Shift : IST	Equipment Tag No.: R-17	000 1012601674

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
1	9063 Charging	950.49 Kg	13:15		24.0	charge- 9063
2	Start stirring	—	14:00		24.0	Stirring Started
3	7048 - first lot addition	91.48 Kg	14:15		24.1	charge. D.M.W
4	Chilling start	—	14:30		24.0	chilling Started
			14:45		23.4	
			15:00		22.9	
			15:15		20.2	
			to			
5	7028 addition Tank-404	404	15:15		20.2	C.No.28. addn Started
	D.L = 130 Kg Kg	391	15:30		20.0	
		370	15:45		19.8	
		351	16:00		19.6	
		331	16:15		20.1	

Prepared By	Reviewed By
22/01/26	22/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 04 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 22/01/2026		BATCH NUMBER
Process Start Shift : IInd	Equipment Tag No.: R-17	000 1701260167 4

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
		309	16:30		20.8	
		292	16:45		22.4	
		270	17:00		22.9	
		252	17:15		23.3	
		230	17:30		23.5	
		210	17:45		23.4	
		193	18:00		23.4	
		175	18:15		23.6	
		163	18:30		24.0	
		148	18:45		24.1	
		130	19:00		24.7	C.No.28 add'n Completed J.D
			19:15		25.9	
			19:30		27.2	
			19:45		28.4	
			to			

Prepared By	Reviewed By
23/01/26	23/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 05 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 22/01/2026		BATCH NUMBER
Process Start Shift : IInd	Equipment Tag No.: R-17	000.10012601674

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
6	Batch Maintaining	—	19:45		28.4	Maintaing Started
			20:00		30.6	for 2 hrs
			20:15		30.7	
			20:30		31.9	
			20:45		32.0	
			21:00		31.7	
			21:15		30.9	
			21:30		30.7	
			21:45		30.6	maintaing Completed

Prepared By	Reviewed By
23/01/26	23/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/3/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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Rishabh Metals & Chemicals Pvt. Ltd.

RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 06 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 22/01/26		BATCH NUMBER
Process Start Shift : IInd	Equipment Tag No.: R-17	GDD 1:1012601674

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
7	7048 - second lot addition	1265.94	21-h5		20.6	7048 second lot start.
			22-00		29.1	
			22-15		22.9	H.P. Start.
			22.30		28-1	
			22-h5		35-5	
			23-00		h0.2	
			23-15		h2-1	
			23-30		h5-0	
			23.h5		49-9	H.P-Stop-
			2h-00		50.1	
			2h-15		49-7	9.cps
8	7048 - third lot addition		2h-30		50-6	
			2h-h5		50-7	H.P. Start.
			01-00		51-0	
			01-15		5h-6	10.cps
			01-30		58-7	
			01-h5		60-5	H.P. Stop-
			02-00		60-4	
			02-15		60-6	
			02.30		60-8	
			02-h5		61-2	H.P- Start -
			03.00		61.9	

Prepared By	Reviewed By
23/01/26	23/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 07 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 22/01/25		BATCH NUMBER
Process Start Shift: II-2/2	Equipment Tag No.: R-17	000-1001260167[illegible]

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
9	7048 - fourth lot addition		03.15		64.5	
			03.30		66.8	12 cps
			03.45		69.2	M.P. stop
			04.00		71.0	2 Sops
			04.15		71.0	
			04.30		70.6	35 cps
		126594	04.45		70.4	45 cps Viscosity
			05.00		70.2	started slowly
			05.15		70.0	
			05.30		69.4	42 cps
			05.45		70.1	
			06.00		72.3	
			06.15		72.6	
			06.30		73.2	40 cps
			06.45		72.1	add D.M.W.P. completed.
			07.00		72.0	48 cps
			07.15		74.0	
			07.30		74.0	132 cps
			07.45		73.8	
			08:00		73.4	200 cps
			08:15		72.8	310 cps
			08:30		72.5	400 cps

Prepared By	Reviewed By
23/01/26	23/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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RISHABH METALS AND CHEMICALS PVT. LTD.

BATCH MANUFACTURING RECORD (BMR) NAME OF PRODUCT: 5065 REV : 01

B.M.R. Form No.: RR-08-94, REV : 01	B.M.R. Page No.: 08 of 08	BMR Effective Date: 31/03/2023
Refer SOP: SOP/ 5065 REV : 01	BATCH PROCESS RECORD	Supersedes: REV : 00
Process Start Date : 23/01/2026		BATCH NUMBER
Process Start Shift : IST	Equipment Tag No.: R-17	000-1012601674

S.N.	Batch Process Details	QTY (Kgs)	Start Time	End Time	Temperature	Remarks
10	7053/ 7093 addition		08:45		72.1	550 cps
			09:00		72.2	600 cps
	D.M.W.4th lot	1265.94 kg	09:15 to		72.0	780 cps - Batch- final. add. D.M.W. add. H.C.L.
11	~~7110 addition~~					Cooling started
	7110 -	297.03 kg	09:34	10:30	~~67~~ 67.0	add 7110 - 297.03 kg
			10:30	11:00		Sample check
12	Sample Checking	P. App.	Light yellow Color visc. liq.			
		pH @ 25°C	3.80			
		Sp. Gravity	1.060			
		Viscosity	80 cps			
13	Final Adjustment		12:00	15:00		final Adjustment
14	Addition of 7599		15:00	15:30		7599 add.
15	Batch Unloading		15:30			Batch Hold in R-17 for mixing
					=	5900 kg X 01 Nos
					Yield =	5900 kg

Prepared By	Reviewed By
24/01/26	24/1/26
Executive - Production	Incharge - Production

PREPARED BY	REVIEWED BY	APPROVED BY
28/03/2023	29/03/23	30/03/2023
INCHARGE - PRODUCTION	MANAGER - PRODUCTION	MANAGER - Q.A.

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21/01/26

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Rishabh **RISHABH METALS & CHEMICALS PVT. LTD.**

Packing Details

Name of Product :
Batch No.: 0000 1000126001674
Total Qty:
Tare Wet.:
Balance ID.No. :
Calibration status:
All Carboy's/Barrels/IBC Rinsed (Yes / No):
Signature and Date:

Net wet = Gross wet - Tare Wet

Drum No.	Gross Wet.	Done By	Checked By

Ref. BMR No.: RR-08-14

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Issued by 21/01/26

Rishabh **RISHABH METALS & CHEMICALS PVT. LTD.**

Packing Details

Drum No.	Gross Wet	Done By	Checked By

*Note: One common checked by sign from drum No. 01 to 10 and after same till end

Rishabh Metals & Chemicals Pvt. Ltd.	MASTER COPY RISHABH METALS AND CHEMICALS PVT. LTD.		
TITLE: BMR REVIEW CHECKLIST			
DOCUMENT NO.	QAD/RJ-DP-02/F/001	REVISION NO.	01
EFFECTIVE DATE	01/10/2025	REVIEW DATE	30/09/2028

SECTION: - A

Sr. No.	Review Points	Status		
		Yes	No	Na
1	Each & every stage appropriate signature of operator & executive was documented	✓		
2	Batch manufacturing process strictly followed with related attached SOP.	✓		
3	Dedicated BMR's & SOPs are used in the process.	✓		
4	Stage wise process/addition clearly recorded in the BMR.	✓		
5	Issuance slip (store) attached with BMR.	✓		
6	Issuance Quantity (Inputs) for manufactured is tally with Required Quantity & standard quantity.	✓		
7	Allotment of AR No. for RM/PM	✓		
8	Current Version followed for analysis or testing of RM/PM	✓		
9	Quality of raw material & packaging material with IMI No.	✓		
10	Verification of Equipment cleaning record.		✓	
11	Stage wise Time & temperature is matching within the limits.	✓		
12	In process sampling & testing results are recorded in the BMR.	✓		
13	Signed deviation report by qc attached in case of product is failed in inhouse or marketing specifications.	✓		
14	Finish product output quantity is within standard range.	✓		
15	Allotment of AR No. for FP	✓		
16	Current revision inspection plan used for analysis or testing of FP	✓		
17	Finish product test results are within specification & approved by qc	✓		
18	Batch Status (Pass or Fail)	✓		
19	Time & temperature data logger sheet with graph attached.		✓	
20	All the specification results (for RM/PM inspection plan photo a copy is available within specified range.	✓		
21	RM inputs & finished product output (yield) are within the standards	✓		
22	All the Blank spaces are to be cross lined with NA mark wherever applicable.	✓		

PREPARED & ISSUED BY	REVIEWED BY	APPROVED BY
DESIGNATION: QA EXECUTIVE	DESIGNATION: ASST.QA MANAGER	DESIGNATION: QA MANAGER / MR
SIGNATURE:	SIGNATURE:	SIGNATURE:
DATE: 26/09/2025	DATE: 28/09/2025	DATE: 30/09/2025

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Issued by
16/10/25

B.no. 10012601(6)

23	Verify QA authorized copy a) Current version of BMR b) Allotment of Batch no. c) Signature of QA dept person d) If expired RM used check for approved copy attached.	✓ ✓ ✓	 ✓	

SECTION: - B

Sr. No.	Attachments	Status		
		Yes	No	NA
1	Issuance slip (Voucher)	✓		
2	Deviation Report	✓		
3	Data Logger		✓	
4	QC Test Report	✓		

30/01/2026
Reviewed By:

Checked By: 30/01/2026

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16/01/26