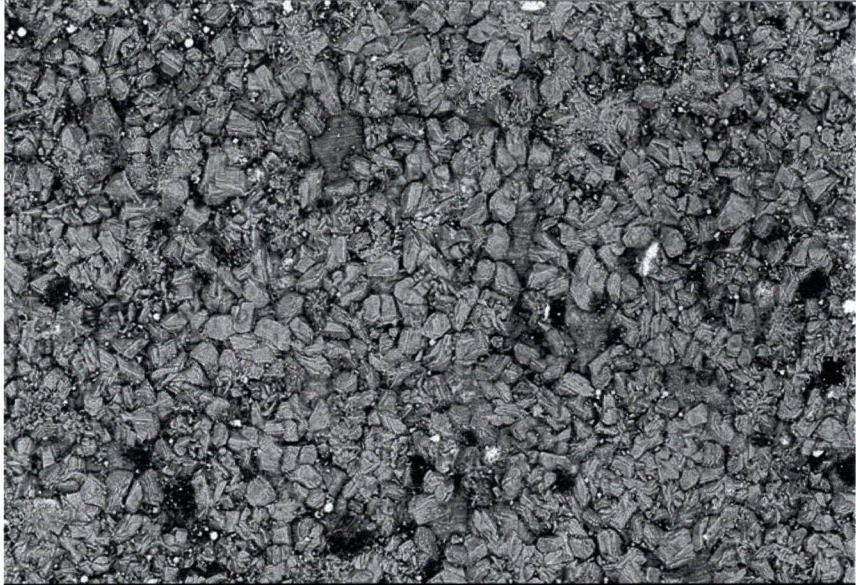



## TEST REPORT

Report No: Y-05297.1	Page 1 of 4	Date: 19/02/2026
To, <b>Major AP Joshi</b> Fateganj		
<b>TEST: Scanning Electron Microscopy</b>		
<b>TEST PROCEDURE: Based on ASM handbook Vol 9</b>		
Test Performed at: TCR Advanced Engineering Pvt. Ltd., Testing Division		
Instrument Utilized:	Phenom XLG2	
*Customer's Reference:	Letter Dated : 06.02.2026	
Sample received on:	06/02/2026	
*Condition of sample:	Test Piece	
*Specification:	SAE 4140	
Date of completion of test:	19/02/2026	Sample Drawn by: <b>Witnessed Client</b>
<b>*SAMPLE ID: Coupon Sample, Code - 827</b>		
<b>Observation:</b>	SEM image no. 1 to 5 show Manganese Phosphate crystallite at various magnification.	
Photographs are included on next page.		



## TEST REPORT

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	 <p>200 μm    Mag. (Pol) 150 x    HV 15 kV    Det. BSD Full    WD 8.455 mm    Vac. 0.10 Pa    TCR</p>		
Plate 1			150X
	 <p>80 μm    Mag. (Pol) 500 x    HV 15 kV    Det. BSD Full    WD 8.455 mm    Vac. 0.10 Pa    TCR</p>		
Plate 2			500X



## TEST REPORT

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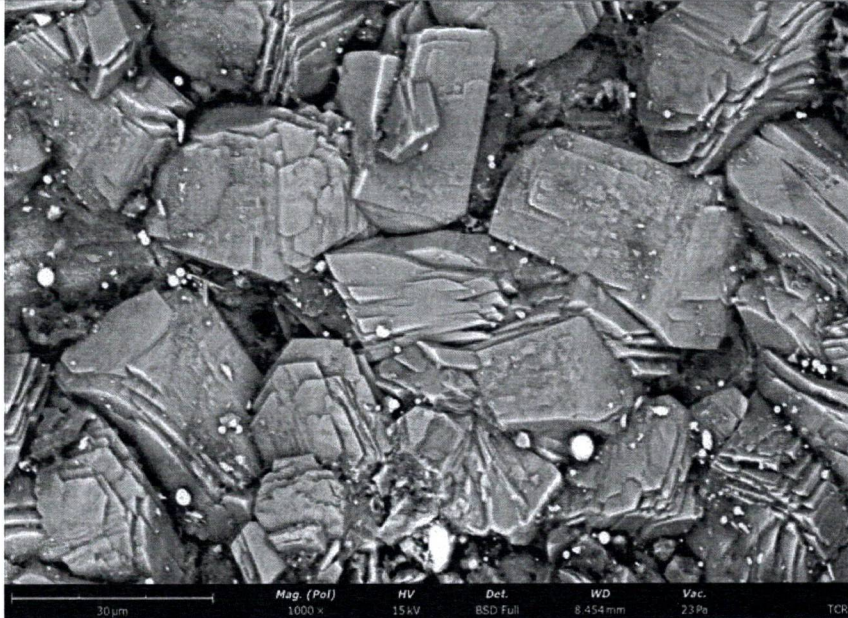


Plate 3

1000X

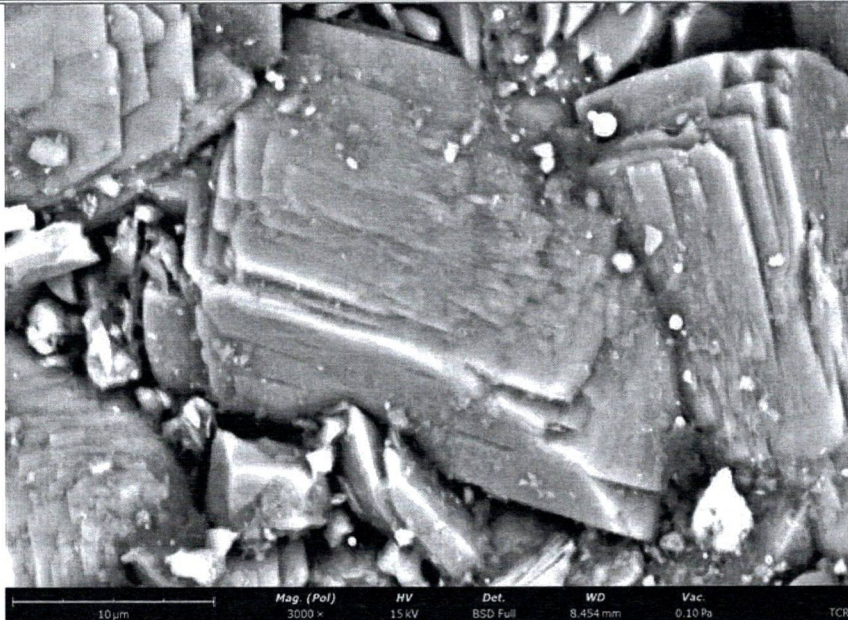
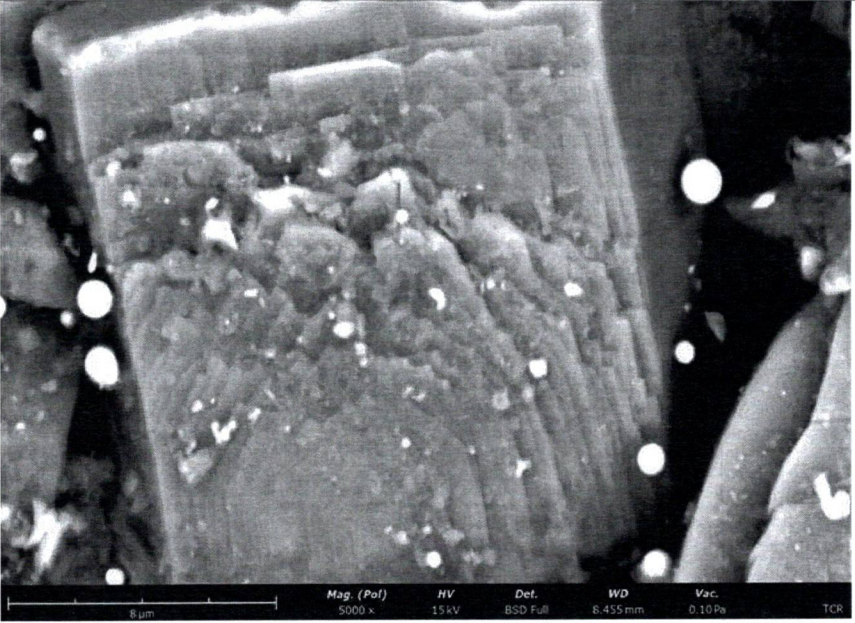


Plate 4

3000X



## TEST REPORT

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Plate 5	5000X	

End of report.

Checked By: Krishna Patel




Authorised Signatory

**G. R. Patel (G.M.)**