

AluOptimize Production Report

Generated on: 2025-11-27 14:57

User Information

Username: tagob8156@gmail.com
Email: tagob8156@gmail.com
Role: User

Production Input Parameters

Parameter	Value	Unit
Production Line	LINE_A	-
Feed Rate	54698.0	kg/h
Temperature	5641.0	°C
Pressure	897546.0	kPa
Power Consumption	8972315.0	kWh
Bath Ratio	3.0	-
Alumina Conc.	1.0	%
Anode Effect	2.0	s/day

Prediction Results

Metric	Value
Predicted Output	44852.36 kg
Energy Efficiency	0.61%
Output Quality	0.0%
Status	Approved
Processed By	Staff1

Waste Management

Metric	Value
Waste Type	Aluminum Dross
Waste Amount	9845.64 KG
Reuse Possible	No
Date Recorded	2025-11-27

AI Recommendations

Recommendation: ■■ Low energy efficiency detected. Consider reducing power consumption or increasing feed rate to improve efficiency. ■■ High waste detected. Consider implementing recycling processes to recover aluminum from dross.

Estimated Savings: \$9845.64

AI Generated: Yes