

Season : 2021-2022

Report No. : 1

For the period from 15-11-2021 till 30-11-2021

November-2021

Name &amp; Address of Factory : GOBIND SUGAR MILLS LTD P.O. AIRA ESTATE

Registration of Factory :- 10T

Clarification Process :- Double Sulphitation &amp; Refinery

Sl.No.	PARTICULARS	For Period/ Month	Since beginning of Season
1	<b>CANE CRUSHING</b>	11/2021	
	Date & Time Commencement of Season	15-11-2021 1400	
	Duration of Run Days	16	16
	Total No. of hours in Duration of Run	378	378
	Number of hours actual crushing	367:25	367:25
	Total cane milled Qtls	1437900.00	1437900.00
2	<b>JUICE &amp; ADDED WATER</b>		
	Average gross mixed juice % cane	108.80	108.80
	Correction Percent mixed juice	0.35	0.35
	Average nett mixed juice % cane	108.42	108.42
	Total gross mixed juice obtained Qtls	1564490.00	1564490.00
	Total dirt correction Qtls	5475.72	5475.72
	Total net mixed juice obtained Qtls	1559014.28	1559014.28
	Average added water percent cane	37.11	37.11
3	<b>SUGARS :</b>		
	Total Sugar Bagged Qtls	103120.00	103120.00
	Quantity of Sugar Bagged Qtls	103120.00	103120.00
	Quantity of Sugar in Process (a) Qtls	17295	17295
	Total Sugar Produced Qtls	120415	120415
	Sugar recovered from previous season's process	0.00	0.00
	Sugar from previous season remelted sugar or other sources Qtls	533.00	533.00
	Total nett sugar made Qtls	119882	119882
4	<b>MOLASSES :</b>		
	Total Molasses Sent Out Qtls	79575.00	79575.00
	Quantity of Molasses in process(a) Qtls	13201	13201
	Total Molasses Produced Qtls	92776	92776
	Molasses Recovered from previous Season's	0.00	0.00
	Molasses from previous season remelted sugar or other sources Qtls	149.00	149.00
	Total Net Molasses Made Qtls	92627	92627
5	<b>RECOVERY</b>		
	Average recovery of sugar % cane %	8.34	8.34
	Average production of final molasses % cane %	6.44	6.44
6	Bagasse % Cane (d)	28.31	28.31
	Filter cake percent cane %	3.75	3.75
7	<b>ANALYSIS (c)</b>		
	Cane Sugar percent	11.59	11.59
	Fibre percent	13.44	13.44
	Primary juice Sugar percent	14.38	14.38
	Brix percent	17.90	17.90
	Purity	80.34	80.34

Sl.No.	PARTICULARS		For Period/ Month 11/2021	Since beginning of Season
	2		3	4
	<b>ANALYSIS:</b>			
	Mixed Juice	Sugar Percent	10.23	10.23
		Brix Percent	13.00	13.00
		Purity	78.69	78.69
	Last Mill Juice	Sugar Percent	1.20	1.20
		Brix Percent	1.74	1.74
		Purity	68.97	68.97
	Clarified Juice / SRT	Sugar Percent	9.98	9.98
		Brix Percent	12.65	12.65
		Purity	78.88	78.88
	Filter Juice	Sugar Percent	8.78	8.78
		Brix Percent	11.68	11.68
		Purity	75.20	75.20
	Unsulphured Syrup / Untreated	Sugar Percent	52.12	52.12
		Brix Percent	66.53	66.53
		Purity	78.34	78.34
	Sulphured Syrup / Treated	Sugar Percent	52.54	52.54
		Brix Percent	67.25	67.25
		Purity	78.12	78.12
	Masseccuite 'R1'	Brix Percent	92.92	92.92
		Purity	98.61	98.61
	Masseccuite 'A' / Raw M/c	Brix Percent	93.74	93.74
		Purity	88.41	88.41
	Masseccuite 'B'	Brix Percent	95.57	95.57
		Purity	73.84	73.84
	Masseccuite 'C'	Brix Percent	99.05	99.05
		Purity	54.21	54.21
	Masseccuite 'C1'	Brix Percent	0.00	0.00
		Purity	0.00	0.00
	<b>MOLASSES:</b>			
	A' Heavy	Brix Percent	78.45	78.45
		Purity	75.07	75.07
	A' Light	Brix Percent	66.11	66.11
		Purity	90.43	90.43
	B' Heavy	Brix Percent	84.80	84.80
		Purity	53.48	53.48
	R1' / R2' Light	Brix Percent	0.00	0.00
		Purity	0.00	0.00
	R1' / R2' Heavy	Brix Percent	73.35	73.35
		Purity	94.02	94.02
	C' Light	Brix Percent	78.12	78.12
		Purity	65.00	65.00
	Raw Melt	Brix Percent	61.13	61.13
		Purity	98.40	98.40
	If White Sugar Bagged	Sugar Percent	99.90	99.90
		Moisture %	0.04	0.04
	If Raw Sugar (bagged)	Pol Percent		
		Moisture %		
		Red Sugar %		
		Ash Percent		
	Final Molasses / BH Molasses	Sugar Percent	40.12	40.12
		Brix Percent	84.30	84.30
		Purity	47.59	47.59

Sl.No.	PARTICULARS			For Period/Month		Since beginning	
				11/2021			
1	2			3		4	
	Bagasse	Sugar Percent		1.75		1.75	
		Water Percent		49.99		49.99	
		Fiber Percent		47.48		47.48	
	Filter Cake	Sugar Percent		2.26		2.26	
	Lime kiln gas	CO2 percent					
	Boiler Feed Water	Temperature degree 'C'					
	Temperature of Clear Juice °C						
8/9	<b>LAST YEARS REMELTED</b>						
	Scraping Sugar	Pol	0.00	Quantity	0	0	
		Brix	0.00	Sugar (Qtls)	0	0	
		Purity	0.00	Molasses (Qtls)	0	0	
	Damaged Sugar	Pol	0.00	Quantity	0	0	
		Brix	0.00	Sugar (Qtls)	0	0	
		Purity	0.00	Molasses (Qtls)	0	0	
	BISS/Damp Sugar,	Pol	0.00	Quantity	0	0	
		Brix	0.00	Sugar (Qtls)	0	0	
		Purity	0.00	Molasses (Qtls)	0	0	
	Brown Sugar	Pol	86.90	Quantity	700	700	
	2020-21	Brix	100.60	Sugar (Qtls)	533	533	
		Purity	86.38	Molasses (Qtls)	149	149	
10	<b>STOCK IN PROCESS AS ON(DS)</b>						
SI No.	Particulars	Hectoliters	Brix	Purity	Qtls	Available	
						Sugar Qtls	Molasses Qtls
1	Clear Juice	9280	12.91	79.4	9763	695	673
2	Sulphured Syrup	1002	64.47	78.01	1318	443	484
3	A Massecuites	3892	94.26	90.05	5889	4349	1431
	B Massecuites	3034	96	75	4628	2026	2878
	C Massecuites	0	0	0	0	0	0
	C1 Massecuites	0	0	0	0	0	0
4	A Light Molasses	489	67.6	91.67	653	361	95
	C Light	0	0	0	0	0	0
5	A Heavy Molasses	194	80.1	75.88	274	104	137
	B Heavy Molasses	0	0	0	0	0	0
6	Seed	389	92	97.83	582	510	30
7	Sugar unbagged					318	
	<b>Total</b>					<b>8806</b>	<b>5728</b>
	<b>STOCK IN PROCESS AS ON(REF)</b>						
1	Clear Juice	5074	13.19	79.83	5345	493	250
2	Treated Syrup	226	71.65	79.01	307	151	81
3	Raw Massecuites	890	93.97	86.94	1345	1017	290
4	R1 & R2 Massecuites	1364	93.4	98.47	2055	1876	52
5	B Massecuites	3052	95.83	71.35	4651	2549	2245
6	C Massecuites	3155	99.9	50.62	4902	1285	4250
7	R1 & R2 Heavy	125	73.17	93.62	171	113	14
8	R1 & R2 Light	0	0	0	0	0	0
9	A Heavy	78	81.4	71.74	111	52	45
10	A Light	104	67.33	88.18	139	77	19
11	B Heavy	130	87.02	50.76	190	44	143
12	C Light	78	79.4	62	110	38	58
13	Melt	446	65	96.92	588	365	21
14	Seed	185	92	98.91	277	251	5
15	Sugar unbagged					178	
	<b>Total Ref. Qtls.</b>					<b>8489</b>	<b>7473</b>
	<b>Grand Total (DS+REF) Qtls</b>					<b>17295</b>	<b>13201</b>

11	SUGAR BALANCE % CANE		
Sl.No.	PARTICULARS		
		For the Period/Month 11/2021	Since beginning of Season
i	Sugar in Cane	11.59	11.59
ii	Sugar in mixed juice	11.09	11.09
iii	Sugar in bagasse	0.50	0.50
iv	Sugar in filter cake	0.08	0.08
v	Sugar in molasses	2.58	2.58
vi	Sugar in sugar	8.34	8.34
vii	Sugar in undetermined	0.09	0.09
viii	Total losses ( in bagasse, filter cake, molasses & undetermined	3.25	3.25

I hereby declare that the figures given in this return are complete and true to the best of my knowledge and belief.

Date : 03.12.21

  
Signature of the owner or person authorised

**Notes:**

1. To be filled up in the report only.
2. The methods followed for making these determinations should be communicated within 3 days after the commencement of the season and any subsequent charges intimated immediately.
  - (a) Should relate to the end of the period/month and should be the same as given under item 10 (Stock in Process)
  - (b) In case of 3 massecuite system, brix and purities of C Heavy and D Light molasses are not to be given.
  - (c) Sugar means "Direct Pol"
  - (d) Bagasse percent cane =  $100 + \text{added water percent cane} - \text{mixed juice (gross) percent cane}$ .

The return in this form must be prepared for each period/month throughout the working season of the factory and must be submitted within a week of the close of the period/month to the following authorities.

**COPY TO**

- 1) Central Excise Authorities concerned
- 2) National Sugar Institute, Kanpur
- 3) Directorate of Sugar & Vanaspati