PLANT-SCALE TRIAL · BEFORE VS WITH THE PRODUCT

February – March 2019

K.C.P. Sugar and Industries Corporation Ltd., Vuyyuru, Andhra Pradesh, India · Report by S V Monco Biotech Pvt. Ltd., Hyderabad · Product: SV Boost - P - DSM (Process Booster)

Parameter	Unit	Before	With product	Difference
Cane crushed (daily average)	t	7,468	6,485	−983
Sugar recovery	%	10.26	**10.75**	**+0.49**
Sugar produced (daily average)	quintals	7,908	6,779	−1,129
Mixed juice				
Purity	%	79.69	79.88	**+0.19**
Dextran	ppm		998	
Reducing sugars	per 100 Bx	3.845	4.55	+0.705
Clear juice				
Purity	%	79.72	79.97	**+0.25**
Dextran	ppm		2,259	
Reducing sugars	per 100 Bx	4.015	3.93	−0.085
Final molasses				
Purity	%	32.92	32.81	**−0.11**
Reducing sugars	%	14.59	16.69	+2.10
Sugar and cane				
Sugar colour	IU	40	**34**	**−6**
Turbidity	NTU	58	52	**−6**
Burnt cane	%	3.05	6.00	+2.95

Values are period averages. Blank cells were not reported. Dextran was measured only during the trial.

SUGAR RECOVERY

+0.49 pp

10.26% before → 10.75% with the product

SUGAR COLOUR

−15%

40 → 34 IU

TRIAL PERIODS

Before 14 Feb – 1 Mar 2019

With 2 Mar – 16 Mar 2019

Dosed at 1–1.5 ppm at primary and mixed juice and 2–3 ppm at syrup, ≈7,000 TCD.

READ WITH

Burnt cane roughly doubled during the trial (≈3% → ≈6%), which makes processing harder.

Average results transcribed from the trial report prepared by S V Monco Biotech Pvt. Ltd. K.C.P. Sugar's certificate of 26 August 2019 confirms the plant-scale trial and its dosing.