



S.P.Y. Agro Industries Limited

CIN No.: U01100TG2005PLC045887

DATE : 30/10/2019

CERTIFICATE OF ANALYSIS

Product/Material Name	Grain. Extra Neutral Alcohol	Material Code	Ethanol 96% v/v
Specification Id	S.P.Y - ENA - ST - 02	Revision No.	3010
Specification Type	Release	Manufacture Date	30-10-2019
Change Control No	ST-02	Batch Number	30102019 -ST-02

		Specification	Result
1	Description	Clear, Colorless, mobile, volatile, flammable liquid having a characteristic odor. It is readily volatilized even at low Temperatures, and boils at about 78 ⁰ c	Complies
2	Miscibility	Miscible with water and with Practically all Organic Solvents	complies
4	Colour of Solution	The sample solution should have the appearance of water or should not be More intensely colored than the standard solution	complies
5.1	Relative Density at 16dg.cen	Between 0.812 TO 0.816	0.812
7	Acidity as acetic acid (g/100 L)	1.5	0.5
8	Residue on evaporation (g/100L)	1.5	0.4
8.1	Esters as CH ₃ COOC ₂ H ₅ (g/100L)	1.3	NIL
8.2	Methyl Alcohol (g/100L)	50	0.8
8.3	Furfural	Not detectable	Complies
9	Aldehyde as acetaldehyde (g/100L)	0.0005	0.0001
9.1	Higher Alcohols as Iso-amyl alcohol(g/100L)	30	NIL
9.2	N-Propanol (g/100l)	10	1.0
9.3	Permanganate reaction time	Not less than 30 min	50

	Prepared By	Checked By	Approved By
Name	B. Manoj Reddy	E. Harababu	V. R. Reddy
Signature	B. Manoj Reddy	E. Harababu	V. R. Reddy
Date	30/10/2019	30-10-2019	30/10/2019

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