



AGRO INDUSTRIAL TABU S/A

"REPORT OF ANALYSIS"

O/S OG&C Nº 13.3.290/06

CLIENT AGRO INDUSTRIAL TABU S/A
ADDRESS FAZENDA TABU S/N ZONA RURAL
CAAPORÁ-PB
58326-000
COMMODITY ETHYL ALCOHOL NEUTRAL EXTRA
TERMINAL AGRO INDUSTRIAL TABU S/A
DATE OF REPORT Cabedelo, 12th December, 2006
REPORT No O/S OG&C Nº 13.3.290/06
SGS Lab. Job No 558

Chemical analysis of ethyl neutral extra alcohol, sample furnished by client on December 12th 2006, identify:
Sample 500ML

	<u>UNIT</u>	<u>SPECIFICATIONS</u>	<u>METHODS</u>	<u>RESULTS</u>
Ethanol content GL at 20°C	% vol.	Min. 96,3	Alcoholometer	96,6
Methanol	mg/100ml	Máx. 1.0	GLC	Less than 0,5
Higher alcohols(total),	mg/100ml	Máx. 0,5	GLC	Less than 0,5
Aldehydes (as acetaldehydes),	mg/100ml	Máx. 0,5	GLC	Less than 0,5
Esters,	mg/100ml	Máx. 0,5	GLC	Less than 0,5
Acidity (as acetic acid)	mg/100ml	Máx. 0,6	ASTM D 1613	0,44487
Dry Extracts	mg/100ml	Máx. 1,0	ASTM D 1353	0,2
Iso-Propanol	mg/100ml	Máx. 0,5	GLC	Less than 0,5
Alkalinity	-	Absent	ASTM D 1613	Absent
Benzene	-	Absent	UV	Absent
Cyclohexane	-	Absent	GLC	Absent
Glycerin	-	Absent	GLC	Absent
Furfurool	-	Absent	Test Qualitative	Absent
Permanganate time test - 20°C	Minutes	Min. 25.0	ASTM D 1363	29
Aspects	-	(a)	Visual	(a)
Absorption UV (1 cm-water)	-	Sp Surfin	UV	-
At 220	nanometres	Máx. 0.20	UV	0,15
At 230	nanometres	Máx. 0.10	UV	0,07
At 240	nanometres	Máx. 0.05	UV	0,02
At 270	nanometres	Máx. 0.02	UV	0,001
At 300	nanometres	Máx. 0.01	UV	0,001
Curve				

Method : UV Spectrum with reference water

(a) Clear and free of suspended materials

Cabedelo, 12th December, 2006

CRQ.Nr. 19.2.00023

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For the evaluation of the results the method's precision statement apply, also, please refer to ASTM 3244-90a, IP367/84 and IP Standard (Test Methods) Appendix E, Standard Practice for Utilization of Test Data to Determine Conformance with Specifications.

The information stated in this report (or certificate) is derived from the results of inspection or testing procedures carried out in accordance with the instructions of our Client, and/or our assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in our professional opinion be taken into account.