

EXTRA NEUTRAL - ETHYL ALCOHOL SPECIFICATION (CANE)
(2011 / 2012 Season)

<u>Parameter</u>	<u>Units</u>	<u>Limits</u>	<u>Method</u>
Alcohol Strength at 20°C	% Vol. GL	Min. 96.1	ASTM D 4052
Acidity (as Acetic Acid)	g/hL	Max. 10.0	ASTM D1613
Appearance	-	(1)	Visual
Odor		(2)	ASTM D 1209
pH		5.5 – 7.5	ABNT/NBR 10891
Esters (as Ethyl Acetate)	g/hL	Max. 5.0	GLC
Higher Alcohols	g/hL	Max. 5.0	GLC
Methanol	g/mL	Max. 10.0	GLC
Aldehydes (as Acetaldehydes)	g/hL	Max. 5.0	GLC
Permanganate time at 20°C	Minutes	Min. 18	ASTM D 1363
Alkalinity		Negative	ASTM D 1614
Acetal	g/hL	Max. 2.0	GLC
Absorbance	-	-	-
220nm		Max. 0.30	UV
230nm		Max. 0.18	UV

(1) Clear and free of suspended matter

(2) Free from foreign odors.