Sugar cane

SHREDDING MILLING → CLARIFIC. → 5 EFFECTS EVAPOR. → FERMENT. 1 → YEAST SEPAR. 1

WARM WASH → BAGASSE HANDLING

YEAST ACID WASH

PRE TREATMENT → Solid/Liquid SEPARATION → ENZYMATIC HYDROLYSIS → Solid/Liquid SEPARATION → FERMENT. 2

Solid residues

FERMENT. 2 → YEAST SEPAR. 2 → Distillation 1G+2G

Steam 2.5 bar

STEAM TURBINE

Biogas

Solid residues

Enzymatic hydrolysis

Pentose-rich

Anaerobic digestion

ANEROBIC DIGESTION

Steam 2.5 bar

Solid residues

DISTILLATION 1G+2G

Vannasse → Ethanol 1G+2G