



Unitán



Quebracho extracts for the production of:

- leather,
- wood panels,
- cardboards,
- mining,
- dispersants,
- emulsifiers.

A presence of more than 100 years in the international markets.



Unitán



Two factories in the Argentine north-east with a production capacity of more than 45.000 tonnes per annum of quebracho extracts.



A staff of 500 people dedicated to the development, investigation, production and sale of quebracho extracts.





Selection of the wood

- Selection of the wood from deposits (more than six months of stock).
- Loading / feeding of factories with trailers.

Production process

- Grinding and diffusion
- Primary evaporation
- Autoclave and spray-dried
- Quality controls
- Envasado
- Stocks and shipping



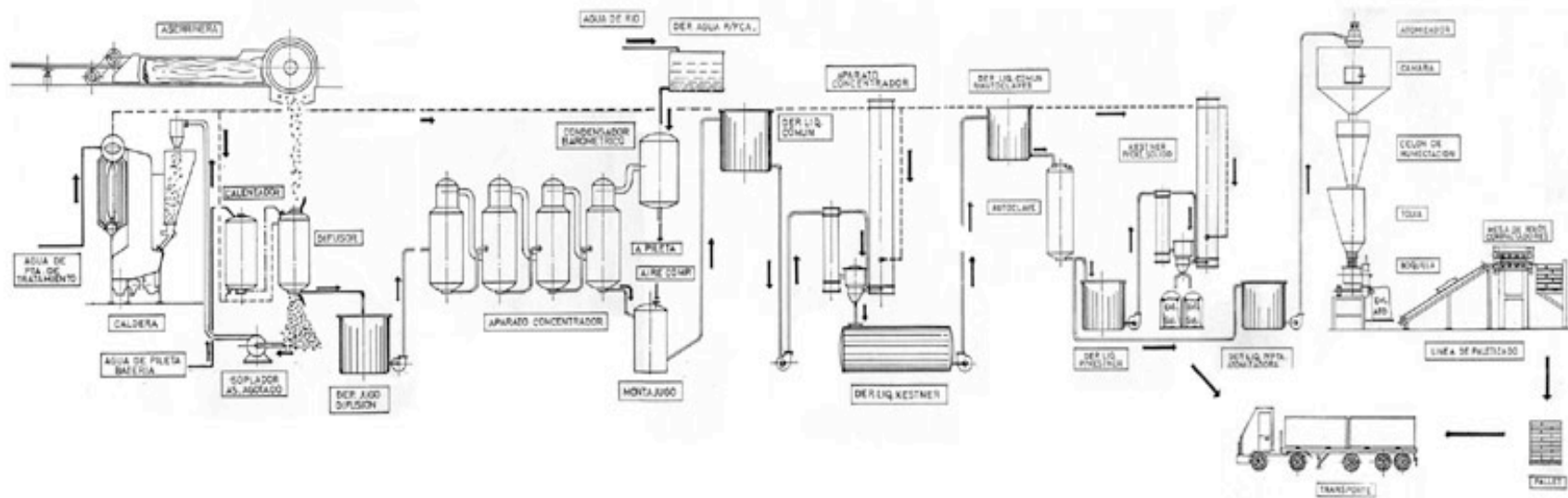
Production of Quebracho extracts

Production Process

Grinding and diffusion

Primary evaporation

Spray-dried and chemical treatment

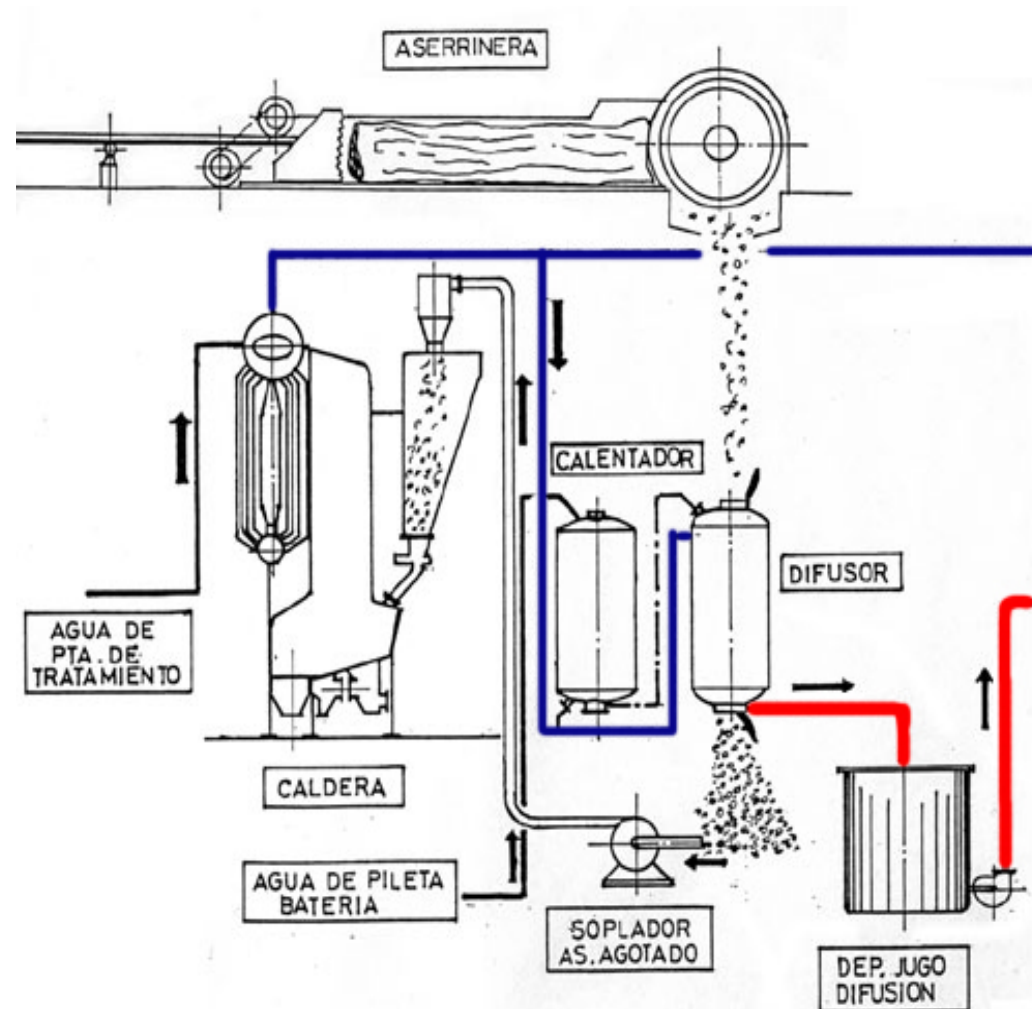
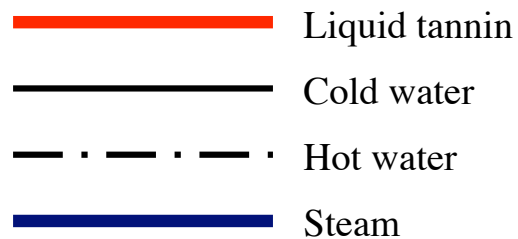




Production of Quebracho extracts

Grinding and diffusion

- Chipping > perpendicular cut of fibres.
- Extraction with water at 130° C in a counter-current process in stainless steel “autoclave” batteries.
- Obtention of tannin juice at 10/11% of solid material.





Grinding and diffusion



Diffusion

Chipping



Boiler

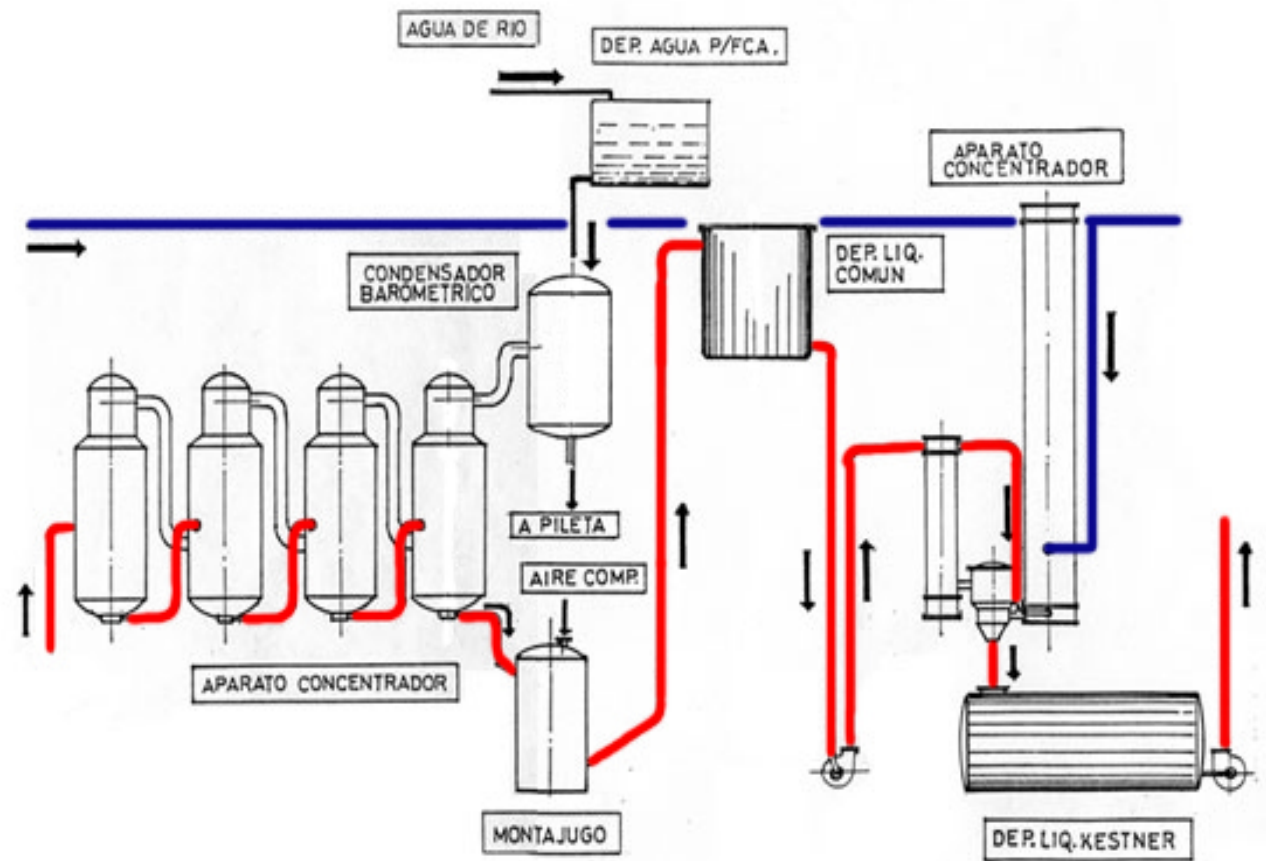
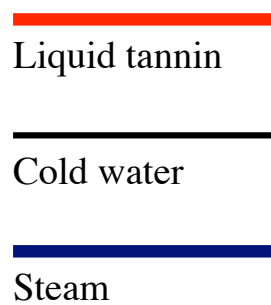




Production of Quebracho extracts

Primary evaporation

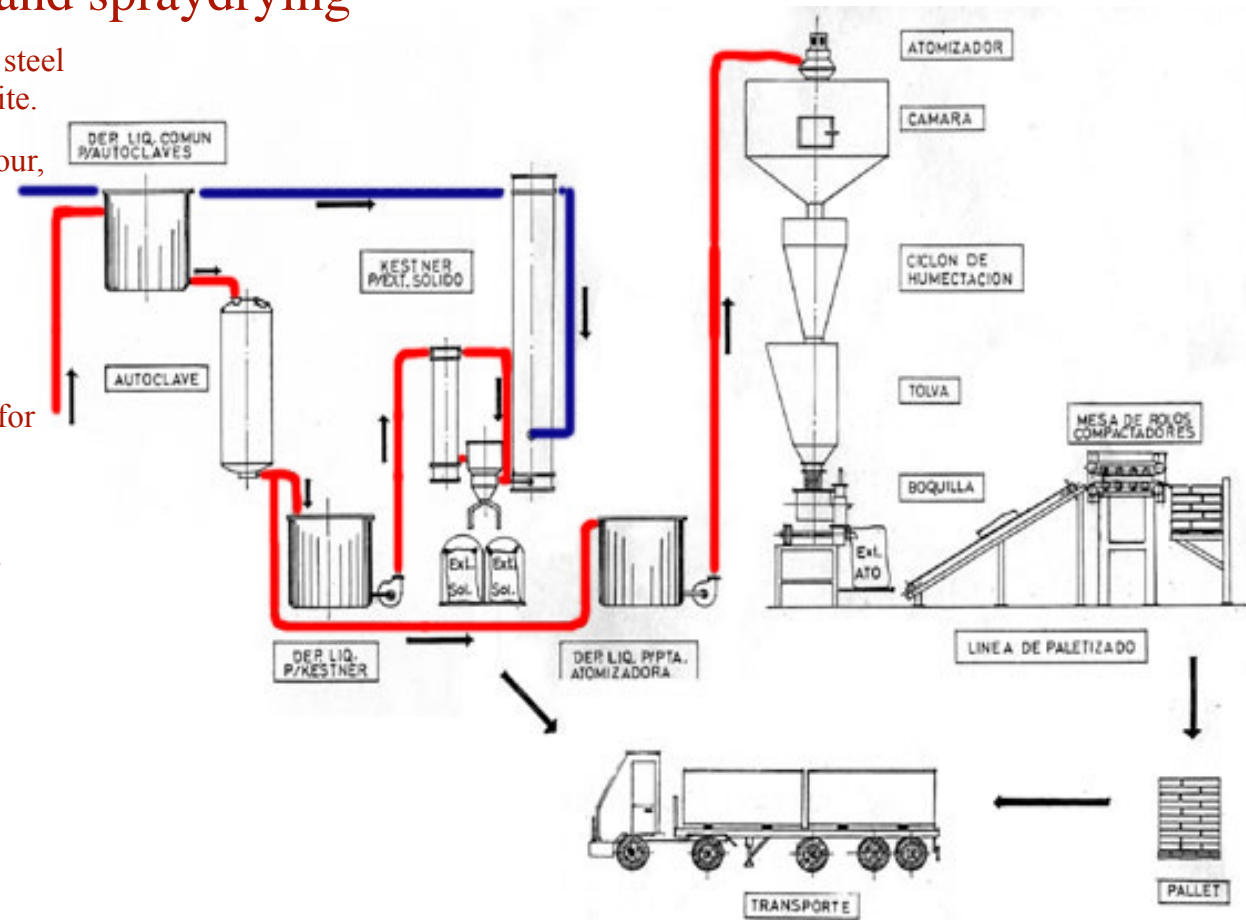
- Concentration in stainless steel evaporators with multiple effects (55% of solids)



Production of Quebracho extracts

Chemical treatment and spraydrying

- Solubility treatment in stainless steel “autoclaves” with sodium bisulphite.
- Constant process controls of colour, salts and insolubles.
- Colour adjustments.
- Chemical treatments for special extracts.
- Final drying in spray-dry plants for products in powder form.
- Final drying in evaporators of descending film for block extracts (with up to 20/22 % of water).



Liquid tannin

Steam



Quality controls



Spray-dried



Stock and shipping

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