

Invention relates to food industry, specifically sugar industry. Method for activating lime slurry, quenching burnt limestone with water and hydrodynamic cavitation activation of lime slurry in rotary pulsation device with discrete-pulse energy input and a pressure pulsation amplitude of 370-380 kPa in recirculation mode over 4-5 cycles. Technical result: increased activity of lime slurry by converting under-burned, over-burned, and encapsulated lime into an active state, which significantly reduces the consumption of limestone for the purification of sugar production half-products.