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The invention relates to a process for obtaining feed supplement, containing vitamin B₁₂, and methane.

The process includes fermentation of vinasse with addition of amaranth oil, tartrate-ammonium complex of cobalt and potassium ferrocyanide, in the following component ratio, mg/l:

amaranth oil	30...50
tartrate-ammonium complex of cobalt	50...60
potassium ferrocyanide	40...50,

in the presence of methanogenic bacteria in mesophilic conditions at pH 7.5...8.5 in an installation, consisting of a bioreactor, divided into acetogenic and methanogenic zones, and an electrolyzer, at the same time the carbon dioxide, formed in the acetogenic zone, is mixed with electrolytic hydrogen in a volume ratio of 1:(3.5...4.5) and dosed in the methanogenic zone for obtaining methane, in the fermented vinasse is introduced dispersed diatomite at a rate of 20...30 g/l, after which the feed supplement is dehydrated on a vacuum filter through a diatomite layer and dried.

Claims: 1