Bromonitromethane adds to aliphatic aldehydes in the presence of tin(II) chloride to yield β-nitro alcohols via a Reformatsky-type reaction in high yields, while aromatic aldehydes give low yields. The products were characterized by IR, NMR, and mass spectroscopy and by elemental analysis.

**Key words:** Bromonitromethane, Aliphatic Aldehydes, β-Nitro Alcohols, Reformatsky Reaction