



### البحث رقم (5)

### الملخص الانجليزي

El batawy, M.A., **Azza M. A. Ibrahim** , Rateeba B.El-Tantawy, and M. A. Amin  
Survey on common milk preservative in fayoum goverorate During winter and summer months.

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Fayoum governorate was surveyed for common milk preservatives which added to raw milk during production, collection, transportation and processing during some winter and summer months. Big farms, small farms, collecting centers, processing centers, shopping centers were involved in survey (750 samples).

Fayoum governorate had three common preservatives added to milk [hydrogen peroxide, formalin and sodium bicarbonate] as descending order while it was free from benzoic acid and lime water(calcium hydroxide). Big farms were the lowest in present of positive samples of preservatives. Winter months were lower in preservatives addition than summer months.

The different sources can be arranged, from where their percent samples contained hydrogen peroxide, formalin and sodium bicarbonate as the following order: Big farms [Bf]<Small farms [Sf]<Shopping centers [Sc]<Collecting center [Cc]<Processing centers [Pc]; for their % Samples contained formalin as the following: Bf<Sf<Sc<Cc<Pc, and for their % samples contained sodium bicarbonate as the following: Bf, Sf<Sc<Cc<Pc. Different provinces exhibited the following order with formalin: Fayoum<Ebshway<Tamea<Etsa<Senours and follows: Tamea Senours<Fayoum<Etsa<Ebshway with hydrogen peroxide. But with sodium bicarbonate was Fayoum, Etsa<Tamea, Ebshway<Senours.

عميد الكلية

رئيس مجلس قسم الألبان

أ.د. محمود علي عبد الفتاح

أ.م.د. خالد عبد الحكم