



Physicochemical Analysis of Some Marketed Hair Oils

- Alisha Kumari • Dipty Yadav • Shaily Kumari
- Madhu Rani Sinha

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Corresponding Author : Madhu Rani Sinha

Abstract : *The current study aimed to analyse some marketed hair oils to determine some physicochemical parameters (such as colour, specific gravity and viscosity) and the presence of heavy metals (Pb, Cd) and mineral oils. Based upon the results we concluded that heavy metals, Pb and Cd was present in all the four selected brand of hair oils. Mineral oil was also found to be present in all the brands that was tested. It is often claimed that heavy metals and mineral oil may cause harmful effects on human body. So, extensive use of such products should be avoided.*

Keywords: *Hair oils, Physicochemical parameters, Heavy metals, Mineral oil.*

Alisha Kumari

B.Sc. III year, Chemistry (Hons.), Session: 2016-2019,
Patna Women's College,
Patna University, Patna, Bihar, India

Dipty Yadav

B.Sc. III year, Chemistry (Hons.), Session: 2016-2019,
Patna Women's College,
Patna University, Patna, Bihar, India

Shaily Kumari

B.Sc. III year, Chemistry (Hons.), Session: 2016-2019,
Patna Women's College,
Patna University, Patna, Bihar, India

Madhu Rani Sinha

Head, Department of Chemistry,
Patna Women's College, Bailey Road,
Patna-800 001, Bihar, India
E-mail : sinhamr@rediffmail.com

Introduction :

Hair is one of the vital parts of the body derived from ectoderm of skin, is a filamentous biomaterial that grows from follicles found in the dermis and also a protective appendages on the body. The appearance of hair plays an important role in people's overall physical appearance and self-perception. With today's increasing life-expectations, the desire to look youthful plays a bigger role than ever. The hair care industry has become aware of this and is delivering active products directed towards meeting this consumer demand. Hair oils are the hair care formulations applied for treatment of hair disorders such as baldness, aggression of hair, discoloring of hair, hair falling, and dryness of hair etc. Hair oil is applied to the scalp for soothing and revitalising it. The nature of oil is non sticky and addition of perfumes enhances the fragrance and overall improves its popularity. (Journal of Chemical and Pharmaceutical Research, 1(1), 2009, 261-267) Proper application of hair oil gives lustre to hair, softening the hair, gives flows to hair and more important gives cooling effect to the brain. They moisturize the scalp and also helpful in dry scalp and dry hairs. Hair oil maintains normal functions of sebaceous glands they supply normal essential elements for hair to naturally grow.

A plethora of commercial brands use ingredients that make our hair glow, but which also damage it in the long-term, stripping it of vital proteins and moisture. Some hair oils contain heavy metals like Pb and Cd