

Annexure - 1

Brands Tested

The 23 brands, tested against IS specifications for “shampoo surfactant based”, comprised 9 detergent based, 6 anti-dandruff, one anti-lice, one ‘baby’ shampoo, 5 ‘ayurvedic medicine’ and one with no claims. They were: **Dabur Vatika Anti-dandruff**, **Dabur Vatika Henna Cream Conditioning**, **Sunsilk Black Shine Sunflower Extracts**, **Lux Super Rich**, **Johnson’s Baby**, **Chik Black Double Conditioner**, **Nyle Herbal**, **Ayur Herbal**, **Mediker Anti-lice Treatment**, **Head & Shoulders Anti-Dandruff**, **Clinic All Clear**, **New Clinic Plus Family Health**, **Himalaya Ayurvedic Concepts Protein**, **Pantene Pro-V Volume & Fullness**, **New Sunsilk White Anti-dandruff**, **Biotique Bio Margosa Ayurvedic Recipe**, **Rejoice Rich**, **Lever Ayush Dandruff Nashak**, **Garnier Fructis Fortifying**, **Shahena**, **Shamla**, and **Nizoral**. The only regional brand shampoo was **Beauty Plus Conditioner**.

Standards

Under Schedule ‘S’ of the Drugs and Cosmetics Act, 1940, shampoos must conform to the specifications laid down by the Bureau of Indian Standards (BIS). We tested shampoos against IS: 7884 - 1992 (Second Revision) and 2003 (Third Revision draft for ‘shampoo surfactant based’); against the *Weights & Measures (Packaged Commodities) Rules*, 1977 for their weights; and against the Drugs and Cosmetics Act, 1940 for their labelling information. We also conducted additional tests on their performance, based on sensory analysis.

Chemical Tests

All the 23 brands were put to the chemical tests and were found to meet the standard specifications for pH, Foam Height, and Non-volatile Alcohol Soluble Matter. However in the test for ‘Active detergent’ only **Johnson’s Baby Shampoo** did not conform to the specification of minimum 5 per cent lower limit. But as testing standards for ‘baby’ shampoo have not been set in India, we have not marked it as conforming or non-conforming.

The Detergent Factor

IS:7884:1992 (Second Revision), by amendment No.4, April 2001, deleted the test for active detergent, a key ingredient in shampoo. But it reappears in the Third Revision draft proposal. Although the inclusion of this parameter is being debated, owing to its importance we tested the brands against it. But we have not marked any brand conforming or otherwise, based on this parameter.