



## Vanisal® and Ethyl Vanisal®, Flexitral's two new non-discoloring vanillas for soap

Flexitral has developed two novel, proprietary (patents pending) vanillic raw materials for use in soaps. Their performance is illustrated in the figure above. Vanisal® and Ethyl Vanisal® were added to transparent soap base at  $\approx 70^{\circ}\text{C}$  and stirred for a few minutes until complete dissolution. Vanillin and Ethyl Vanillin controls were prepared at the same time. The four soap compositions were poured in 100g gram square molds and allowed to cool, after which they were placed in a well-lit environment at room temperature, exposed a few hours

a day to direct sunlight. The backlit picture above was taken 18 days later. The vanillin and ethyl vanillin soaps have become dark through formation of light-absorbing polyphenol polymers. By contrast, the Vanisal® and Ethyl Vanisal® are still off-white and white respectively. The discoloured soaps smell weakly of vanillin and ethyl vanillin. The Vanisal® and Ethyl Vanisal® soaps smell intensely of vanillin and ethyl vanillin respectively. Samples of Vanisal® soaps have resisted discoloration for 4 months to date.

For licensing enquiries, contact Jacqueline Grant ([jsgrant@flexitral.com](mailto:jsgrant@flexitral.com)) or phone + 1703 818 1610.

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