

MAXI/GUARD® Oral Cleansing Gel

Announcement of Formulation Change

Addison Biological Laboratory is pleased to announce that we have improved the thickening ingredient in our MAXI/GUARD Oral Cleansing Gel by switching from Methylcellulose to Xanthan Gum. Xanthan Gum is a transparent food-grade gum that has improved stability in a low pH system, exhibits little solution viscosity change over a wide temperature range, is compatible with and stable in solutions containing high salt concentrations, and has improved stability in acidic conditions. Xanthan gum has a very wide margin of safety and is used in ice cream, beverages, and salad dressings. It is also used in shampoos, toothpastes, and liquid soaps.

Xanthan Gum is more pseudoplastic (thins when force is applied—such as mixing) than most other gums, but MAXI/GUARD Oral Gel will return to its original gel state immediately when the force (mixing) has stopped. This pseudoplasticity enhances the sensory quality of mouth feel, eases processing (mixing and pumping), and improves the mucoadhesiveness of the product. This pseudoplasticity also allows the Vitamin C to dissolve into the solution at higher viscosity levels than the limits imposed by the Methylcellulose.

During our studies, it was observed that MAXI/GUARD Oral Gel with Xanthan Gum maintained viscosity for a greater length of time; it was superior in the first 6 months in maintaining viscosity after mixing than our original formula with Methylcellulose (Chart 1.0). The Xanthan Gum formula also maintained a higher level of ascorbic acid content for a longer period time, thus making the product more effective for longer period of time (Chart 2.0). In addition, the Xanthan Gum product also maintained a blue or blue-green color for a longer period of time which corresponds with the extended efficacy found in the ascorbic acid levels (Table 1.0).

If you have any questions about this ingredient change, please call us at 800-331-2530 or email info@addisonlabs.com.

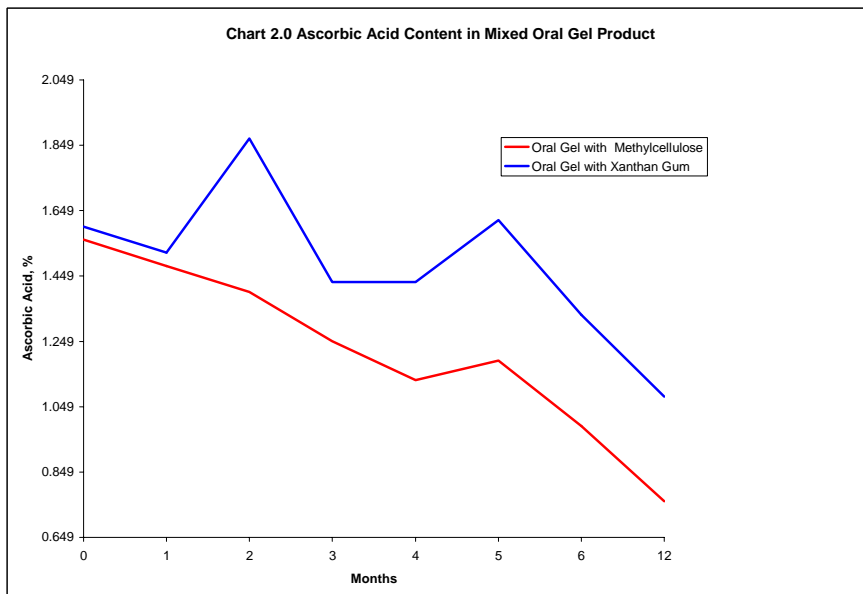
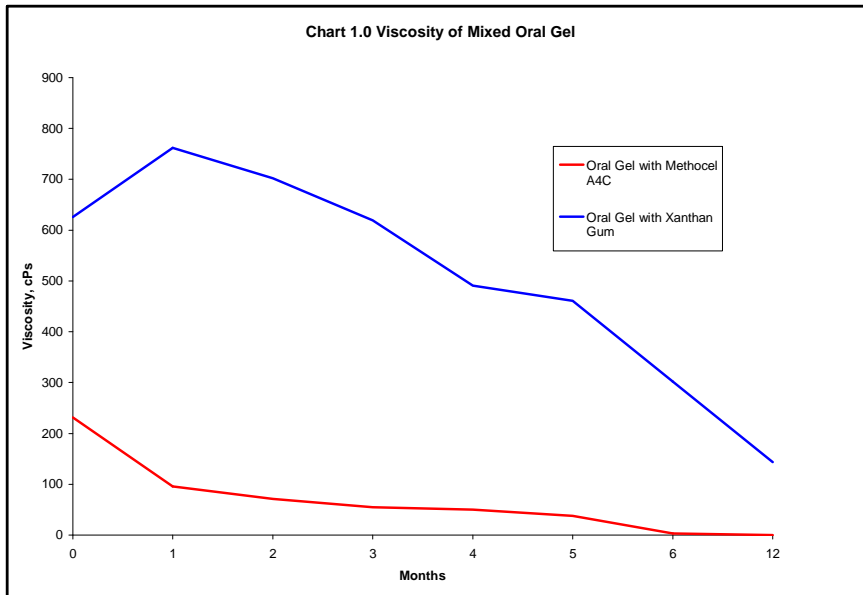


Table 1.0 Color Observation of Mixed MAXI/GUARD Oral Cleansing Gel Products

Month	Methocel	Xanthan Gum
0	Blue	Blue
1	Blue	Blue
2	Blue	Blue
3	Blue-Green	Blue
4	Green	Blue-Green
5	Green	Blue-Green
6	Green	Blue-Green
12	Dark Brown	Blue-Green