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Purified aloe vera whole leaf juice free of constituents of concern identified by IARC monograph working group

The [International Agency for Research on Cancer \(IARC\)](#) recently published aloe vera carcinogenicity information, determining that unpurified whole leaf aloe vera juice is possibly carcinogenic to humans based on the presence of toxic anthraquinones. Whole leaf juice products purified by decolorization with activated charcoal are free of these known constituents of concern.

The IARC news article described four aloe vera processed products: whole leaf and decolorized/purified whole leaf extracts, inner leaf (gel), and dried latex. Although the article noted that exposure data doesn't identify the type of product used by consumers, the International Aloe Science Council (IASC) 2009-2010 [market survey](#) clearly demonstrated that decolorized leaf and inner leaf are the predominant ingredients found in orally consumed aloe consumer products. Also noted was the fact that the non-decolorized test article used in a National Toxicology Program (NTP) 2-year study contained very large amounts of aloin A and B and that their eventual genotoxic action could be responsible for the reported tumors in the test animals. The IASC has also published a position paper on the NTP study results, which can be found [here](#).

The IASC limit of not more than 10 parts per million (ppm) aloin for single-strength aloe ingredients must be met before products containing those ingredients are [authorized to display the IASC certification program seal](#).

"The vast majority of certified aloe vera products contain less than 1ppm aloin," said Devon Powell, executive director of the IASC. "The IASC does not certify unpurified aloe products and discourages their use. Although unpurified products are not commonly available we encourage customer awareness and avoidance of

such products."

Powell further commented on the report, "Simply stated, the powerful laxative effect from ingestion of unpurified aloe vera products would make it obvious if that's what people were consuming. It's rewarding to now see that the scientific community understands that decolorized whole leaf aloe vera juice is devoid of the toxic chemicals that have caused so much concern."

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