

**CO₂ 1st choice
for pesticide removal**



EVONIK
INDUSTRIES

Removal of agricultural chemicals

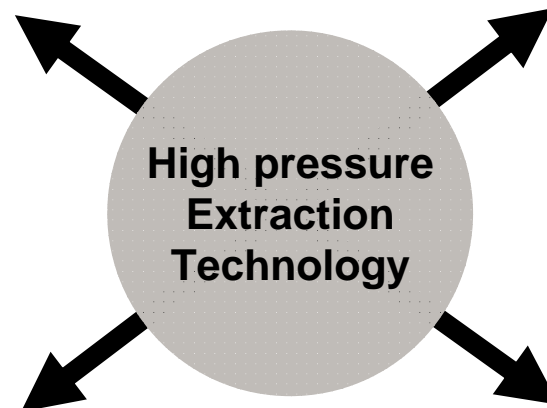


Culinary raw materials

- Mushrooms

Oils & Fats

- Cosmetical oils
- Culinary oils



Herbal medicines

- Ginseng

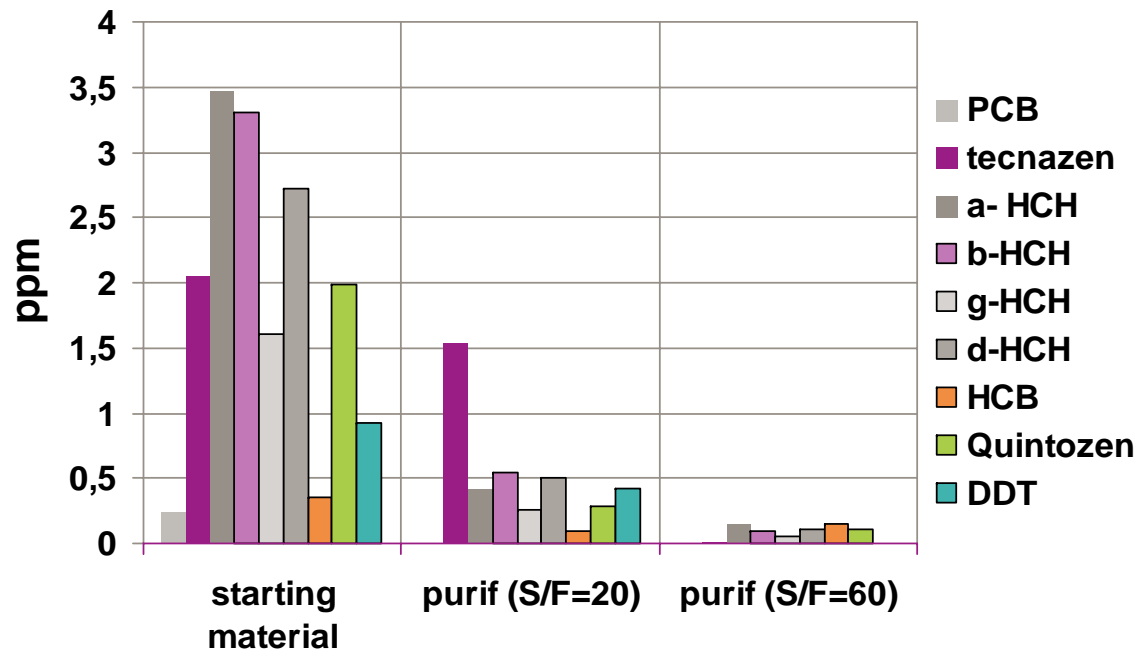
Plant materials for packaging

- Cork stoppers

Pesticide removal from ginseng spissum extract



Situation: Intensive cultivation using pesticides leads to excessive residual levels
 Goal: Selective extraction of chlororganic pesticide



Key active ingredients:
 Saponine content
 generally 1.5-3%



No co-extraction/
 degradation of saponines



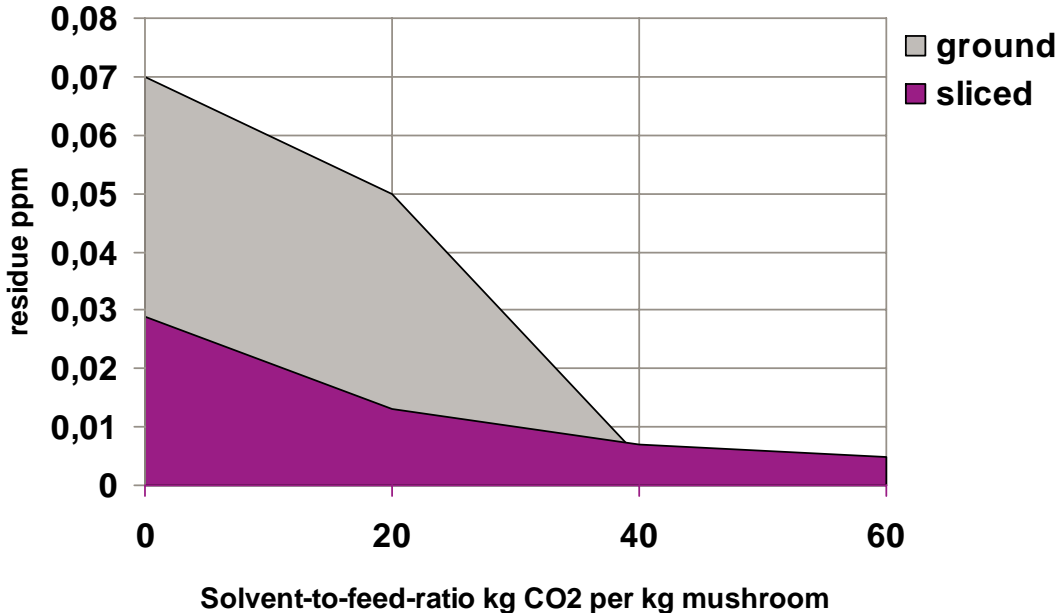
Restore pharma-grade
 quality without loss of
 active ingredient

Pesticide removal from mushrooms



Efficacy of cleaning depends on particle size

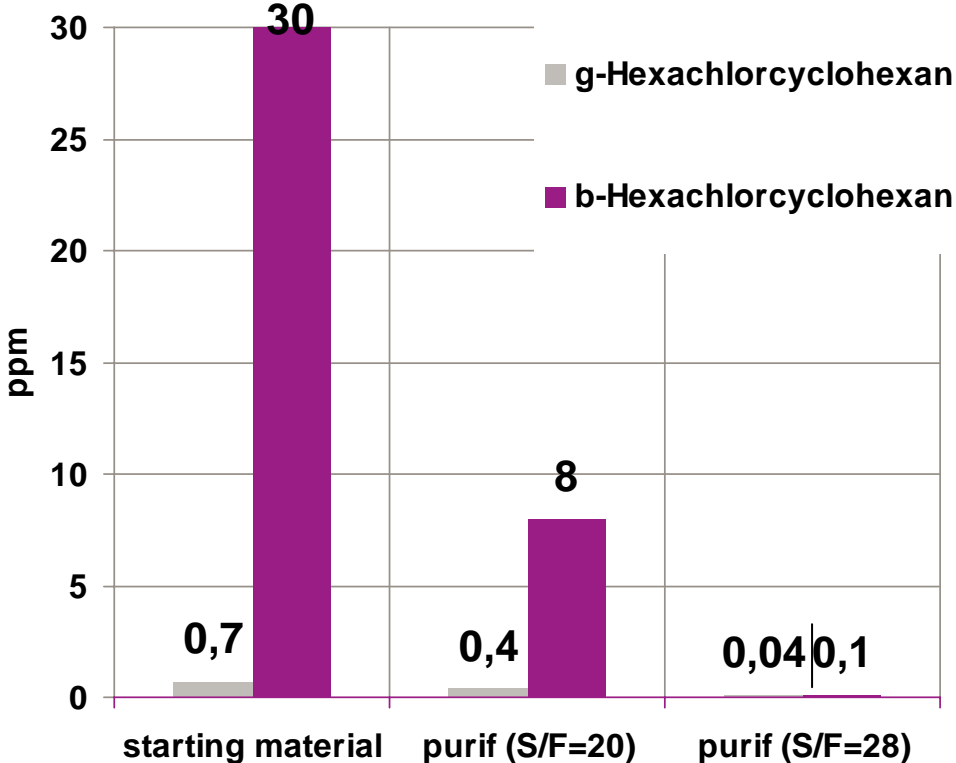
S 421 (octachlordipropylether)



Pesticide removal from wool fat



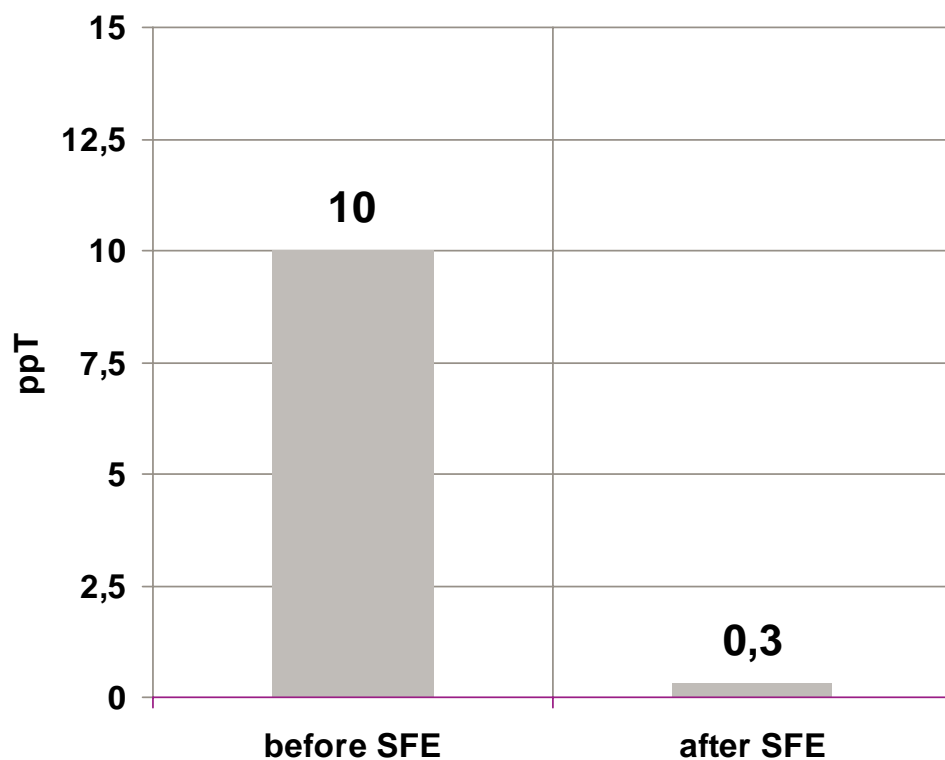
Pesticide removal below official limits capable



Removal of 2,4,6-Trichloroanisole from cork



Cork taint caused by TCA is a serious problem in the wine industry



Efficient cleaning removes TCA below the threshold value



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