A Case for Modernization – Human Factors and Organoleptic Tests

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What factors affect sensory perception? There are stimulus receptors
- Vision
- Smell (olfactory)

What type of training is required?
- We train for every analytical test
- How relevant is a subjective qualitative test?
Visual factors

- Exclusion of personnel due to visual impairment
- Need for required eye exam on a regular basis
- Color blindness
Test for Color Blindness (example)
Olfactory factors

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Safety issues related to substance smell description

Physical conditions (parosmia or distorted sense of smell, e.g., due to sinus infection)
Modernization

Conversion to instrumental methods – moving from subjective to objective

Applications from Food Industry for visual and smell distinction
Different suppliers

Imaging

Material

Differentiation
Objective Criteria for Odor Test
Objective versus Subjective Testing

How perception affects human decisions as it relates to:

Visual Smell

Organoleptic or sensory tests are best left to “consumer” panels or trained experts for Finished Goods

Other materials should be tested by instrumental methods
Thank You

The standard of trust