

## Tasting aid for the Kromme Haring

### Visual

Colour in SRM	Black malts	1	2	4	6	8	10	15	20	25	30	35	40	50
	Red malts	1	2	4	6	8	10	15	20	25	30	35	40	50
Transparency	Transparent - veiled - cloudy - opaque													
Foam thickness	Fine - medium - thick													
Foam retention	Dead - collapsing - stable													

### Aroma: smell and flavour

Malt / bread	Fresh bread dough (Yeasty, play-dough) Cracker (Wheat things, saltine, cheese crackers) Bread (Toast, breadcrumbs, bread crust, biscuit, pretzel, flour, rye, sourdough) Sweet bread (Sugar cookie, Graham crackers) Breakfast cereals (Corn flakes, bran flakes, shredded wheat, oatmeal) Pasta
Grain	Raw oats, barley Cooked rice
Caramel / sweet candy	Honey, caramel, toffee, brown sugar, molasses, burnt sugar, roasted marshmallow Cake, vanilla, tonka Dried fruit (raisins, prunes) Butter, yoghurt, cream
Nutty	Almond, walnut, pecan, peanut, sunflower seed
Roast	Coffee, chocolate, cocoa, roasted almonds, roasted barley
Smoke	Smoked (light - ash) Tobacco Wood smoke, peat
Wood	Oak, cedar, pine Earth, leather Cognac, barrique Resin, incense, myrrh Woodruff
Floral	Clover, dandelion, wildflower, honeysuckle, elderflower, chamomile blossom, lily of the valley, jasmine, apple blossom, rose, geranium, carnation, lilac, lavender
Sweet fruits	Banana, watermelon, honeydew melon Peach, apricot, plum, cherry Passion fruit, lychee, pineapple, kiwi, mango, guava
Green fruits	Pear, quince, apple, gooseberry, white wine grapes
Red fruit / berries	Cassis (black currant), red currant, blueberries, raspberries, blackberries, strawberries, wild strawberries, cranberries
Citrus	Grapefruit, orange, lime, lemon, bergamot, lemon grass, tangerine, yuzu
Menthol	Mint, lemon balm, camphor, menthol
Herbal	Lovage, thuja, basil, parsley, tarragon, dill, fennel, thyme, rosemary, marjoram, green tea, black tea, mate tea, sage
Spicy	Pepper, chili, curry Juniper, aniseed, nutmeg, liquorice, clove, ginger, fennel seeds
Grassy / hay	Hay, dry grass, hemp, dry weeds, burlap, green plants
Vegetal	Celery stock, celery root, leek, onion, artichoke, garlic, wild garlic

Sources: <https://www.draughtlab.com/flavormaps>; Liscomb et al (2015) *Specialty Malt Contributions to Wort and Beer*. MBAA TQ, 52 (4) 181-190; Weyermann Malt Aroma Wheel (r); Drexler et al. (2017) *The Language of Hops: How to Assess Hop Flavor in Hops and Beer*. MBAA TQ. 54 (1). 34-37. Off flavours were moved to reverse.

## Off-flavours

2-phenylethanol (rose like)	Cidery (green apple)	Metallic (aluminum foil, bitter, blood-like, coin-like, coppery, iron, rusty)
Acetaldehyde (green apple)	Cooked onion	Musty
Acetic (sour)	Cooked potato	Nail polish remover (solventy)
Acetone	Cooked tomato	<b>Oxidation</b> (dull, stale, ball-point pen, honey, inky, metallic, musty, nutty, rancid)
Acidic	Cooked vegetable	Papery (oxidation, wet cardboard, dull, shoe box)
Alcoholic	Corn grits	<b>Phenolic</b> (bitter, fruit skins, grape seeds, tannic, tea-like, woody, medicinal, burnt)
Alkaline (bitter)	<b>DMS:</b> dimethyl sulfide (sulfur; cooked broccoli/corn/vegetable)	Plastic (burning plastic, can-liner, plastic)
Almond (oxidation, malt, playdough)	<b>Earthy</b> (sulfury, basement, cellar, compost, fungus-like)	<b>Rubbery</b>
Alpha acids (bitters)	Esters (bubblegum, butter, candy, cream, citrusy, floral, herbal, honey, plant-like, soft fruit, spicy, tree fruit, tropical fruit, vinous)	Sherry like (oxidation)
Autolyzed (sulfury, marmite)	Ethanol	Shrimp like
Baby diaper (indole)	Fat, oil, hydrocarbon	Smoky (phenol)
Bakelite (electrical fire)	Fatty acid	Soapy
Banana (isoamyl acetate)	Fusel alcohols (alcoholic, harsh, solventy)	<b>Solventy</b> (chemical solvents)
Barnyard (caprylic, horsey, indole, isovaleric)	Garlic	Sour (acidic, cidery, citrusy (lemon, grapefruit), tartaric, lactic)
Beany (bean soup)	<b>Grassy</b> (alfalfa, crushed green leaves, fresh grass)	Spicy (allspice, cinnamon, clove, eugenol, medicinal, peppery)
Brettanomyces	Horsey (barnyard, goaty, horse blanket)	Sulfur (autolyzed, brothy, cooked)
Bromophenol (phenol, electrical fire)	Indole (enteric, fecal, pig-like, coliform)	<b>Sulfidic</b> (hydrogen sulfide, rotten eggs)
<b>Burnt</b>	Isovaleric acid (blue cheese, cheese, rancidity)	<b>Sulfitic</b> (sulfur dioxide, biting, burning matches, burnt rubber)
Butyric acid (fatty acid, sulfury, baby sick)	Lactic (sour; citric, lactic, sour milk, yoghurt)	<b>Diacetyl</b> (vicinal diaketones, VDK, butter, buttered popcorn, butterscotch)
Can liner (lacquer like)	Leathery (oxidation; hay like)	Worty
Caprylic (fatty acids, sulfury, goaty, soapy, sweaty)	Lightstruck (catty, farty, mercaptan, skunky, sulfury)	
Carbolic (phenol)	Mercaptan (catty, drains, farty, fecal, skunky)	
Cardboard (papery)		
Catty (hops, oxidation)		
Celery		
Cheesy (dry, stale cheese, hydrolytic rancidity)		
Chlorophenol (band-aid, antiseptic, hospital, TCP)		

Sources: [https://www.carolinabrewmasters.com/PDF/Complete\\_Beer\\_Fault\\_Guide.pdf](https://www.carolinabrewmasters.com/PDF/Complete_Beer_Fault_Guide.pdf), Bold items are from BKG (most common) off flavours in grading, see [https://www.bierkeurmeestersgilde.nl/p-httpd/multimedia/upload\\_ajax66HBVn.pdf](https://www.bierkeurmeestersgilde.nl/p-httpd/multimedia/upload_ajax66HBVn.pdf), DraughtLab Malt profile at <https://www.draughtlab.com/flavormaps>, Liscomb et al (2015) *Specialty Malt Contributions to Wort and Beer*. MBAA TQ, 52 (4) 181-190. NB: some 'off'-flavours listed here are desired.

Made by Bart Ferguson, 2021

