

ALCOHOLIC DRINKS

# BOOSTING WHISKY

A diverse selection of sophisticated flavors to capture the desired authenticity and complexity of whisky

## FIRMENICH: YOUR PREFERRED PARTNER FOR ALCOHOLIC DRINKS



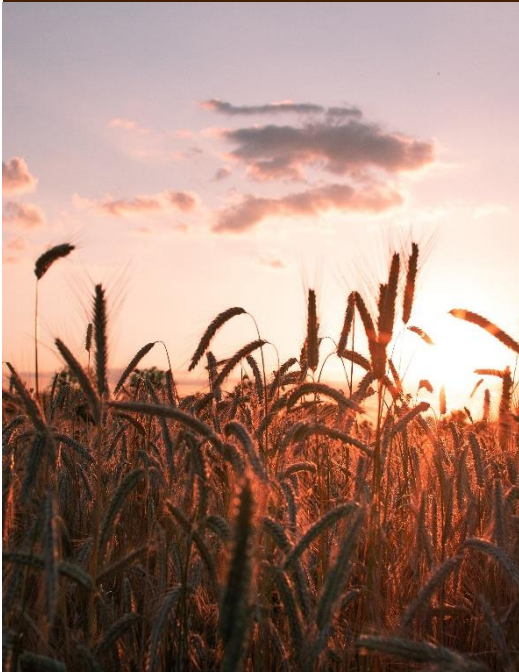
A dedicated global network of R&D and technical experts, supported by in-depth local taste understanding



An unrivaled spirits tonality excellence offering to deliver authenticity and complexity through cost-effective solutions



An innovation pipeline in line with rising consumers' demand for naturality and wellbeing



“ The first traces of distilled barley date back to the 13<sup>th</sup> century in China. However, the art of distillation quickly spread to Scotland and Ireland where this technique gave birth to early versions of what we consider whisky today. Over time, whisky evolved from a medicine into a desirable drink, formulated through a specific criteria of ingredients, aging process, and minimum alcoholic strength. ”

## Whisky and Firmenich

To capture the essence of a great whisky you need the right expertise. Through our industry leading R&D, and leveraging proprietary analytical and sensory capabilities, we studied the volatile and non-volatile composition of several unique whiskies to truly understand taste and profile attributes driving preference. Combined with years of flavor creation experience and knowledge, we have perfected a modular whisky toolkit capturing the most common and differentiating whisky attributes and allowing you to create the exact whisky you desire.

# Firmenich Whisky Toolkit: our Approach

## Base Flavors

Reference flavors evolving around the world's four most known profiles: single malt, blended, peated blended and peated single malt. These flavors can be sold as such, or used as base for creation.



## Unique Spirit Flavors

Distinctive flavors containing a base flavor and one or several signature key(s), and sold as fully integrated solutions.



A modular and versatile tool to co-develop solutions perfectly meeting your needs

## Signature Keys

Concentrated top notes providing specific aromatic directions, such as peated, fusel, smokey or ester notes. These flavors can be sold as such and added on top of a finished product to provide a premium distinctive twist, or used as building blocks for creation to increase flavor profiles' complexity.

Flavor Code	Flavor Name	Description
522885 T	Whisky Flavor	Single malt whisky. Typically malty, sweet, oaky smooth, fruity.
522886 T	Whisky Flavor	Blended whisky. Typically fruity, estery, malty, fusel.
522887 T	Whisky Flavor	Peated blended whisky. Typically smokey, malty, oaky, peaty.
522888 T	Whisky Flavor	Peated single malt whisky. Typically strong peat, smokey, oaky, malty.
050002 3545T	Whisky Flavor	Blended Scotch. Typically fusel, wine lees, peated / phenolic, malty, woody – NAT and TTB compliant
050002 3546T	Whisky Flavor	Mildly peated Scotch. Typically fusel, wine lees, woody, malty (0.0% ethanol content) – NAT and TTB compliant
595947 T	Maturation Key 1	Delivers complex maturation topnote and mouthfeel.
595946 T	Maturation Key 2	Delivers sweet rich maturation backed with oaky complexity and astringency.
595948 T	Single Malt Key	Delivers the distinct Single malt profile and taste, sweet rich malt distillate attribute.
595949 S	Blended Whisky Key 1	Delivers light sweet estery top note attributes of a grain whisky.
595950 T	Blended Whisky Key 2	Delivers harsh grainy character of grain whisky.
595951 T	Fruity Key	Delivers subtle fruit character typically found in whisky.
595952 TIA	Estery Key	Delivers typical esters found in whisky.
595953 T	Dry Oak Key	Delivers volatile dry oakwood topnote and taste.
595955 TIA	Sherry Key	Delivers winey floral topnote that is typical of Sherry.
595956 TIA	Acid Key	Delivers acidic character.
595957 TIA	Vanilla Key	Delivers complex bourbon vanilla character that is phenolic.
595958 TIA	Peat Key	Delivers typical peat character found in most Scotch Whiskies, phenolic, smoky and medicinal character.
595959 TIA	Fusel Key	Delivers harsh alcoholic character and complexity in palette.
595960 T	Molasses Key	Delivers sweet burnt sugar character and lingering aftertaste.
595961 TIA	Smoke Key	Delivers typical smoke and charcoal character in topnote and palette.

For more information about recommended applications, dosage rates, or to order samples, please contact your Firmenich Account Manager.