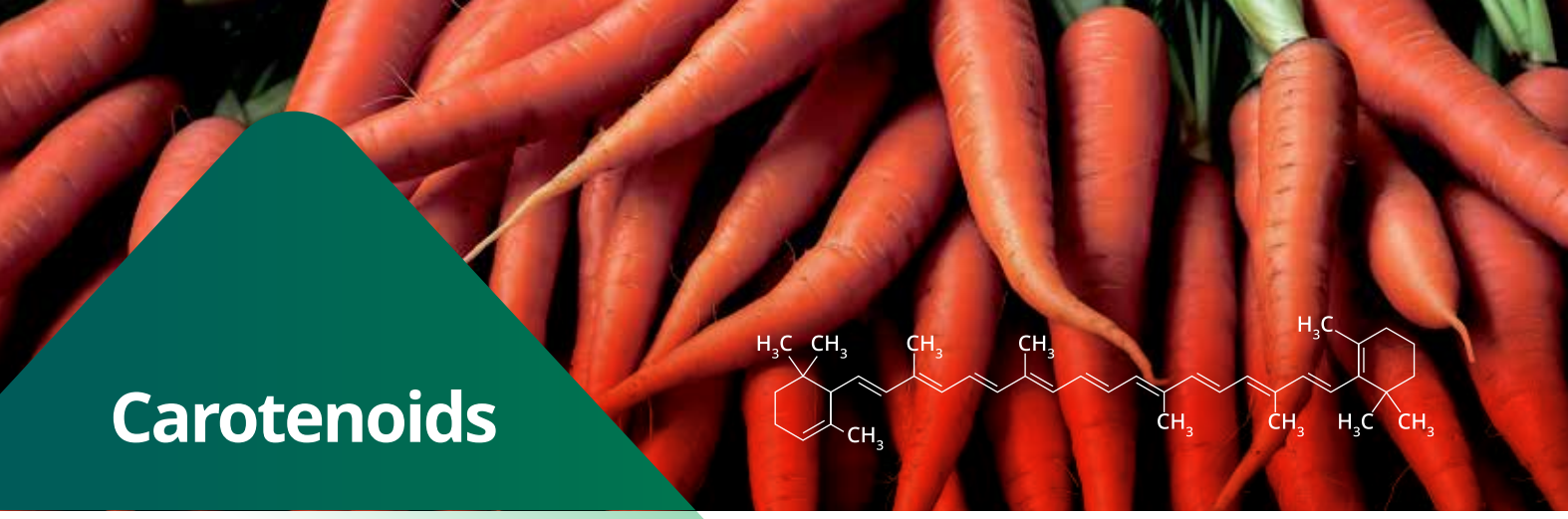


Carotenoids

Delivering absolute quantitation of **68 carotenoid compounds** with 21 chemical standards applicable to wide varieties of species and tissue types.

Quantitative Accuracy
Quantitation using external standard method, linear standard curve **> 0.99**

High Sensitivity
Detection at μg/g level

Broad Coverage
68 carotenoids, including lycopene, β-carotene, octahydrolycopene, lutein, etc. Contact us for a full list

Rich Experience
Participated on more than 1000 projects covering 300+ species and published in Nature Communications, The Plant Journal, Food Chemistry and others

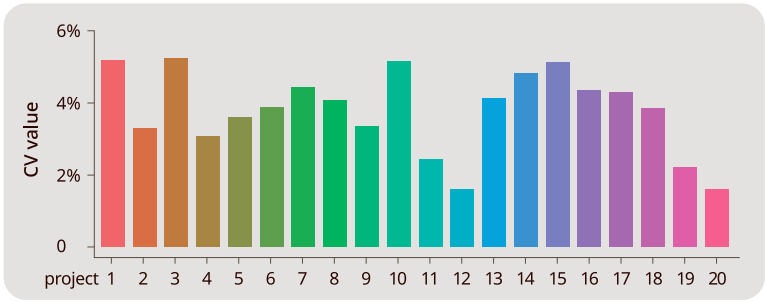
List of Metabolites

No.	Carotenoids Panel	No.	Carotenoids Panel
1	α-carotene	10	β-cryptoxanthin
2	antheraxanthin	11	astaxanthin
3	lycopene	12	phytofluene
4	zeaxanthin	13	capsanthin
5	violaxanthin	14	(E/Z)-phytoene
6	γ-carotene	15	ε-carotene
7	neoxanthin	16	α-cryptoxanthin
8	β-carotene	...	...
9	lutein	68	capsorubin

Contact for a full list.

High Stability

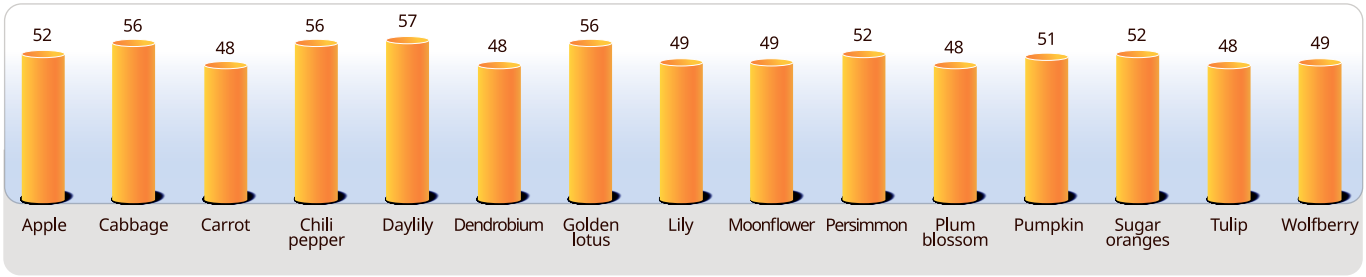
The detected metabolites showed a coefficient of variation (CV) of less than 6% in mixed QC samples.



Coefficient of Variation of energy metabolites detected over 20 projects.

Project Experience

A total of 68 carotenoids could be detected from different species, with an average detection of 50 carotenoids.



Average detected carotenoids in different species.

METWARE BIO

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