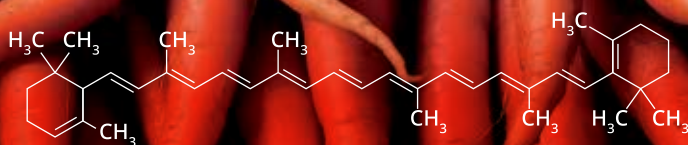


# Carotenoids



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  $\mu\text{g/g}$  level



## Broad Coverage

**68** carotenoids, including lycopene,  $\beta$ -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

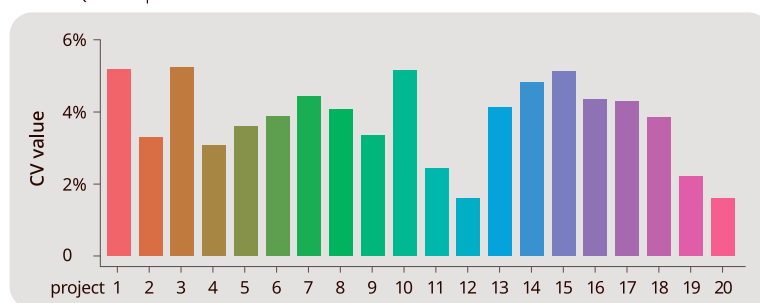
## List of Metabolites

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

Contact for a full list.

## High Stability

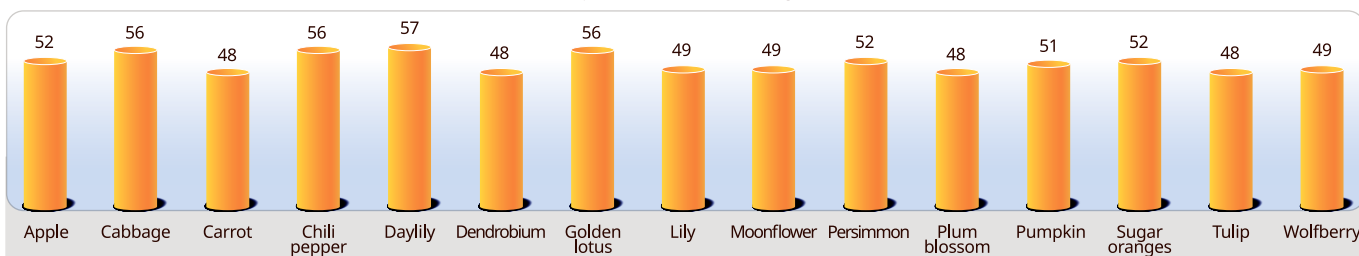
The detected metabolites showed a coefficient of variation (CV) of less than 6% in mixed QC samples.



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**



Contact Us  
support-global@metwarebio.com

+1(781)975-1541

8A Henshaw Street, Woburn, MA 01801

www.metwarebio.com