

Table 2 The contents of bioactive constituents in different types of white tea

Bioactive compounds	Content by weight (%)				
	Overall	Silver needle	White peony	Tribute eyebrow	Longevity eyebrow
Phenolic acids					
Gallic acid	0.21 - 0.35	0.12 - 0.44	0.20 - 0.50	0.22	0.17 - 0.35
Ellagic acid	0.23 - 0.24	-	0.17 - 0.35	-	-
Catechins					
(+)-catechin	0.10 - 0.62	0.53	0.30 - 0.50	-	0.39
(-)-epicatechin	0.05 - 1.10	0.22 - 0.30	0.15 - 0.28	-	<0.05 - 0.11
(-)-epigallocatechin	0.05 - 2.6	0.16 - 0.31	0.25 - 0.81	0.84	0.05 - 0.70
(-)-epigallocatechin gallate	0.21 - 9.5	5.8 - 6.7	3.2 - 6.4	0.06	0.56 - 3.0
(-)-epicatechin gallate	0.27 - 1.4	2.2 - 2.8	1.2 - 1.9	0.31	0.44 - 1.7
Total catechins	1.3 - 17	8.5 - 9.8	4.4 - 9.2	-	1.2 - 4.6
Total polyphenols	8.5 - 76	16 - 18	12 - 16	-	7 - 13
Amino acids					
L-theanine	0.01 - 1.2	0.83 - 1.27	0.47 - 1.5	-	<0.01 - 0.67
$\gamma$ -aminobutyric acid	0.011 - 0.17	-	0.006 - 0.008	-	-
Total amino acids	1.1 - 3.8	-	2.8 - 3.4	-	0.15 - 1.5
Metilxanthines					
Theobromine	0.05 - 0.09	0.04 - 0.15	0.04 - 0.08	-	0.06 - 0.13
Caffeine	1.9 - 5.7	4.5 - 4.9	3.6 - 4.6	2.7	2.2 - 3.8
Reference	Hilal and Engelhardt Tan et al., 2017; Tan et al., 2017; Tang et al., 2019 2007; Horanni, 2013; Yan et al., 2020 Ma et al., 2022 Tan et al., 2017; Ning et al., 2016; Bortolini et al., 2021 Yan et al., 2017; Yan et al., 2020				