

**World Olive Center for Health**

76 Imittou St. 5th floor
11634, Pagkrati, Athens
Tel: 2107525134
info@worldolivecenter.com

Athens: 20/10/2025**Cert. Num: C2526-00152****CERTIFICATE OF ANALYSIS****Brand Name:** AT SAS SILVER**Analysis Date:** 20/10/2025**Owner:** V. AT SAS ORGANIC PRODUCTS LTD**Variety:** KORONEIKI**Origin:****Harvesting Period:** OCTOBER 2025**Production Date:** 02/10/2025**Oil Mill:****Chemical Analysis**

Oleocanthal	229	mg/Kg
Oleacein	204	mg/Kg
Oleocanthal+Oleacein (index D1)	433	mg/Kg
Ligstroside aglycon (monoaldehyde form)	214	mg/Kg
Oleuropein aglycon (monoaldehyde form)	333	mg/Kg
Ligstroside aglycon (dialdehyde form)*	651	mg/Kg
Oleuropein aglycon (dialdehyde form)**	470	mg/Kg
Free Tyrosol	10	mg/Kg
Total tyrosol derivatives	1,104	mg/Kg
Total hydroxytyrosol derivatives	1,007	mg/Kg
Total polyphenols analyzed	2,111	mg/Kg

Comments:

The levels of oleocanthal and oleacein are higher than the average values (135 and 105 mg/Kg respectively) of the samples included in the international study performed at the University of California, Davis.

The daily consumption of 20 g of the analyzed olive oil provides 42,23mg of hydroxytyrosol, tyrosol or their derivatives.

Olive oils that contain >5 mg per 20 gr belong to the category of oils that protect the blood lipids from oxidative stress according to the Regulation 432/2012 of the European Union.

It should be noted that oleocanthal and oleacein present important biological activity and they have been related with anti-inflammatory, antioxidant, cardioprotective and neuroprotective activity.

The chemical analysis was performed at the National and Kapodistrian University of Athens according to the method that has been submitted to EFET and published in J. Agric. Food Chem. 2012, 60, 11696, J. Agric. Food Chem. 2014, 62, 600 & Molecules 2020, 25, 2449.

The results relate to the analyzed sample.

*Ligstrodiol+Oleokoronol **Oleomissional+Oleuropeindial

Magiatis Prokopios

PROKOPIOS MAGIATIS
ASSOCIATE PROFESSOR
UNIVERSITY OF ATHENS
FACULTY OF PHARMACY
DEPARTMENT OF PHARMACOGNOSY
AND NATURAL PRODUCTS CHEMISTRY