

ANALYTICAL RESULTS – OBJECT 7

PARTNER:	UNITO - CCR
TYPE OF WORK:	Mural (Object 7)
COUNTRY:	Italy
CITY:	Turin
ADDRESS:	Cso Palermo 124
OWNER / CUSTODIAN:	Private property
ARTIST:	Millo
TITLE OF THE WORK:	Dive in me
YEAR OF EXECUTION:	2014
MATERIALS:	Brush painting on mural

SAMPLING POINTS LOCATION



TABLE OF ANALYTICAL RESULTS

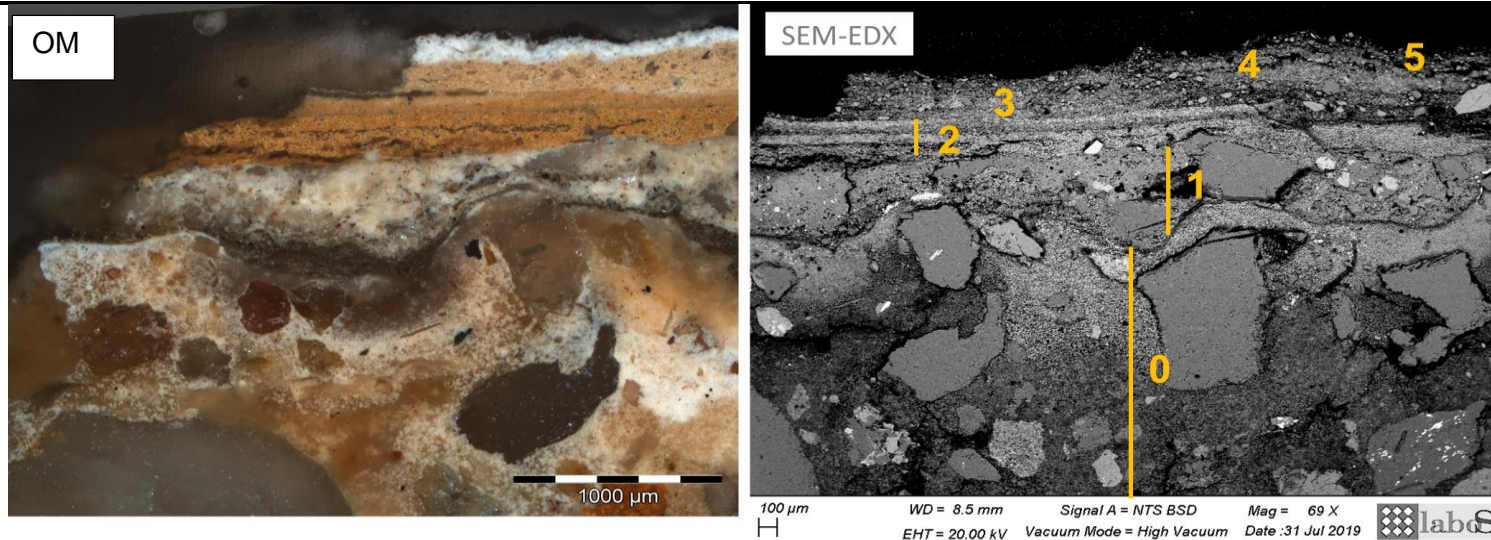
	Name of the sample	Original materials	No original materials	Pigments / dyes		Organic binders		Type of support*		Other**	
				Identification methods	Results	Identification methods	Results	Identification methods	Results	Identification methods	Results
1	White background layer	x		ATR-FTIR XRF SEM-EDS	Calcite, silicates, Ti white	ATR-FTIR	Styrene-acrylic				
2	Black paint layer (drawing)	x		ATR-FTIR XRF	Calcite, silicates	ATR-FTIR	Styrene-acrylic			ATR-FTIR	oxalates
3	Yellow paint layer	x		ATR-FTIR SEM-EDS	Calcite, silicates	ATR-FTIR	PVA				
4	Grey paint layer	x		ATR-FTIR	Silicates	ATR-FTIR	PVA				
5	Pink layer (dripping)		x	ATR-FTIR	Calcite, silicates	ATR-FTIR	PVA			ATR-FTIR	oxalates
6	Violet layer (dripping)		x	ATR-FTIR	Calcite	ATR-FTIR	PVA			ATR-FTIR	acrylic
7	Cross section (Random fragment)										

* mortars, stone, metal ect.

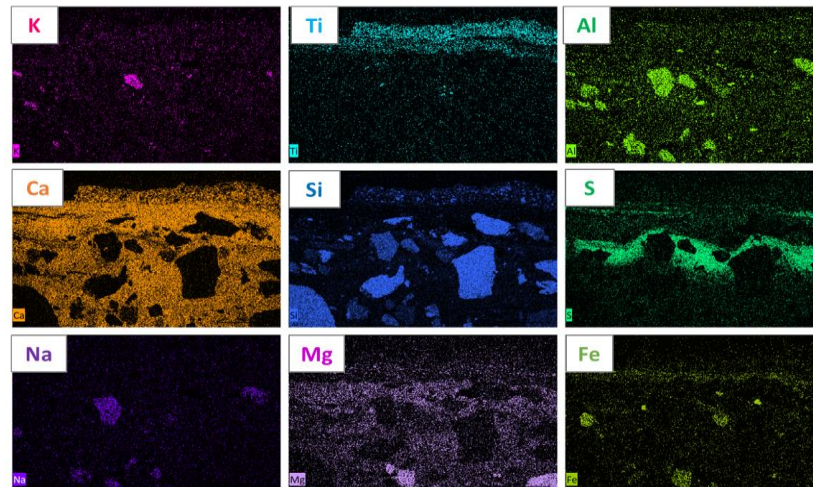
** Additional research or analyzes, for example: aging tests, colorimetry, pH...

STRATIGRAPHY OF THE MICROSAMPLES

Sample n°: OBJ 7-7

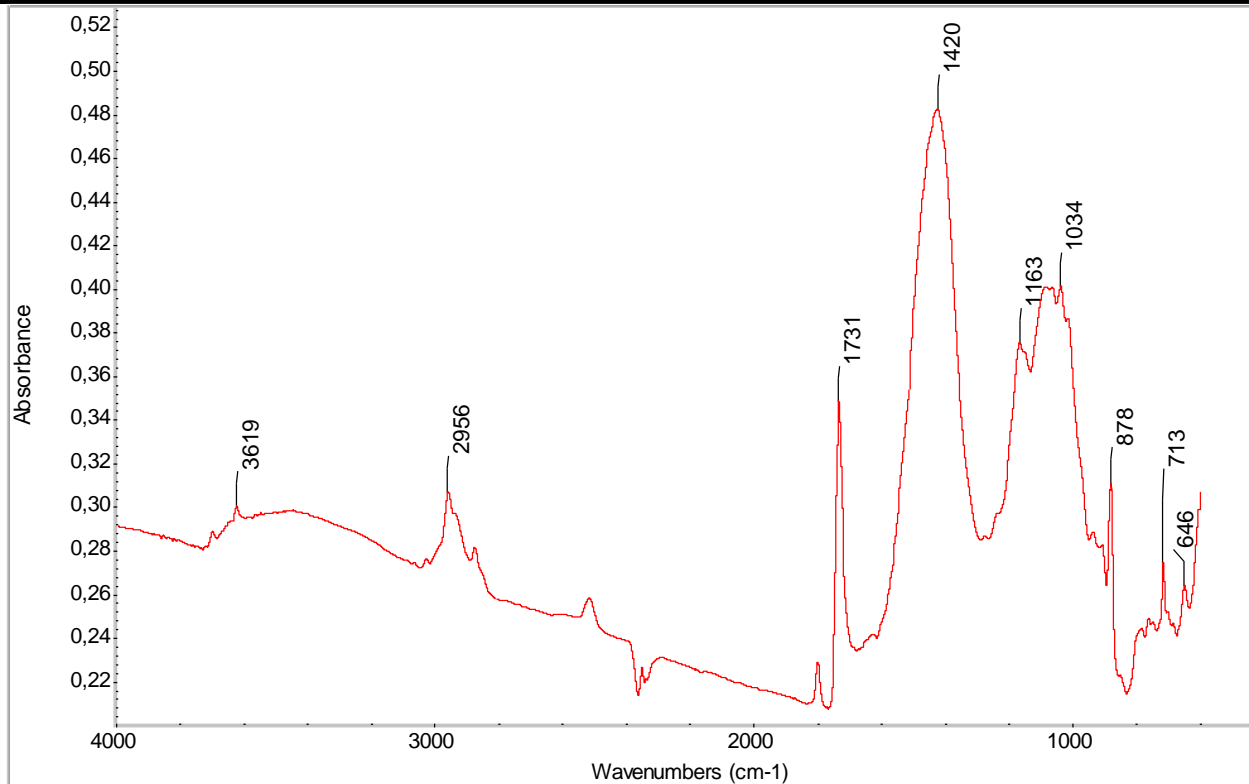


0 – support	Carbonates + quartz and Al,Mg,Fe,K silicates inclusions + gypsum
1 – white	Carbonates + quartz inclusions + barium sulfate inclusions
2 – yellow-brown (3 layers)	Ca, Ti, Fe
3 – yellow	Carbonates + silicates + Ti white
4 – white	Si, Ca, Ti
5 – black	Si, (Ca), (Cu), (Zn)



FOURIER-TRANSFORM INFRARED SPECTROSCOPY (FTIR)

Sample n°: OBJ 7-2



ASSIGNMENTS:

Acrylic: 2956 cm⁻¹, 2873 cm⁻¹, 1731 cm⁻¹, 1274 cm⁻¹, 1238 cm⁻¹, 1152 cm⁻¹, 1065 cm⁻¹, 764 cm⁻¹

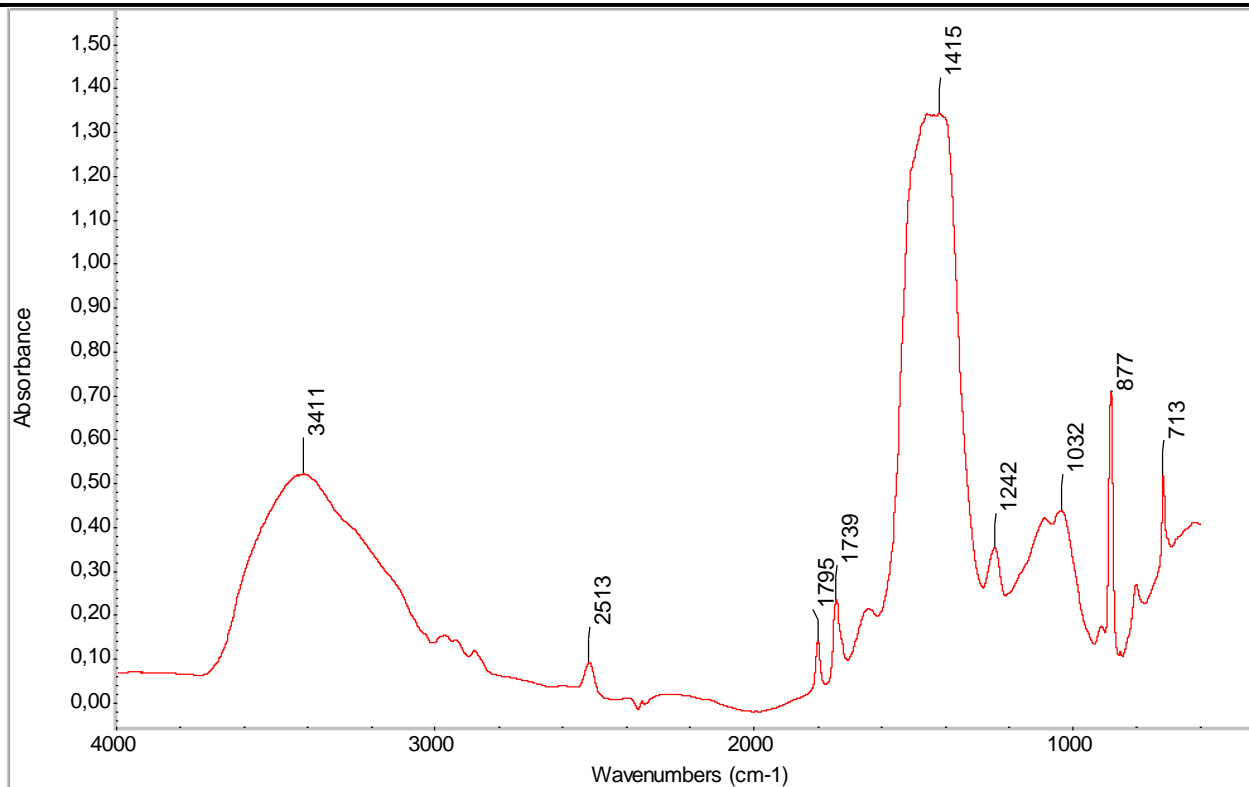
Calcite: 2514 cm⁻¹, 1796 cm⁻¹, 1420 cm⁻¹, 878 cm⁻¹, 713 cm⁻¹

Silicates: 900-1200 cm⁻¹

Oxalates: 3060 cm⁻¹, 1632 cm⁻¹, 785 cm⁻¹,

Kaolin: 3694 cm⁻¹, 3619 cm⁻¹, 1015 cm⁻¹

Sample n°: OBJ 7-3



ASSIGNMENTS:

PVA: 3411 cm⁻¹, 2975 cm⁻¹, 2929 cm⁻¹, 1739 cm⁻¹, 1242 cm⁻¹, 1091 cm⁻¹, 1032 cm⁻¹

Calcite: 2511 cm⁻¹, 1796 cm⁻¹, 1415 cm⁻¹, 877 cm⁻¹, 712 cm⁻¹

Silicates: 900-1200 cm⁻¹

This document was produced within the project ***Conservation of Art in Public Spaces (CAPuS)***.

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