DATA SHEET

41103904   COLORANTE CD-19 ROSA POLVO   16/04/2025   v1.4

1. PRODUCT IDENTIFICATION

Description   DECORATION COLOUR ROSE with flux. Compound of frit: CAS Nº. 65997-18-4.

Application   For its application, it is recommended to add water until the required consistency for application by brush. For decoration over or under transparent glaze as over Opaque Glaze. Firing temperature ranges between 980-1280ºC . With the appropriate medium, this decorative colour can be used to decorate the third fire both pottery as porcelain. The firing temperature in this case is the 980 º C

2. CHEMICAL COMPOSITION Metal oxides with concentrations less than 0.05% have not been determined.

Li_2O		ZnO		Cr_2O_3		CaF_2		
Na_2O	1-5	MnO		B_2O_3	5-10	Bi_2O_3		Cd(S,Se) en ZrSiO4 20-40
K_2O	1-5	CdO		V_2O_5		P_2O_5		LOI 0-0.5
MgO	1-5	CoO		MnO_2		BeO		Zr-Pr-Si 5-10
CaO	1-5	NiO		SiO_2	20-40	CeO_2		
SrO		Al_2O_3	5-10	TiO_2		CuO		
BaO	0.5-1	Fe_2O_3	0-0.5	ZrO_2		Pr_2O_3		
PbO		Sb_2O_3		SnO_2				

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect   Pink powder

Color(fired)   Rose

4. COLORIMETRY   * By Minolta ChromaControl (S)

L: 73.6   a: 31.9   b: 69.1

5. DILATOMETRY   * Data obtained with dilatometer BÄHR mod. DIL 801 L $10^{-7} C^{-1}$

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	Tª Transformation	Tª Softening	Melting point
70.8	70.6	74.4	111.8	593 C°	681 C°	>850 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)   * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
58	23.7	9.7	1.1	0	12.7

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Contains inclusion cadmium pigment. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)

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