PostPro SF50/SF100 Emission Report for FA326

INTRODUCTION

This report presents the results of emission measurements carried out on the PostPro SF50 / SF100 system to assess airborne concentrations of PostPro FA326 during normal operation and confirm compliance with applicable safety requirements.

METHODOLOGY

Measurements were performed in the operating room of the PostPro SF machine under normal working conditions in line with the site preparation guidelines. Air samples were taken at a defined nearby location using a fixed probe. Airflow volume and airborne PostPro FA326 concentration were measured in accordance with Hungarian air polution decree (4/2011 VM) to ensure reliable and representative results.

NAME	APPLIED STANDARD
Airflow Volume Measurement	MSZ 21853-2:1998 MSZ EN 16911-1:2013
Moisture Content Sampling	MSZ EN 14790:2017
Volatile Organic Compounds Sampling	CEN/TS 13649:2014 chapters 5 and 6 excluding sections 5.3.2 and 6.5.3
Continuous Concentration of Gases and Sectioned Definition	MSZ 13-101:1985
Standards of Measurement and Sampling	MSZ EN 15259:2008

SAMPLE LOCATION	AIR VOLUME (M^3)	CONCENTRATION (MG/M^3)
BOFA Extractor Exhaust Probe	0.0274 - 0.0285	8.04 (1.75 - 18.98)
SF50/SF100 Exhaust Probe	0.0301	597.41

During HFIP operation, HFIP after the BOFA filter was 1.75 - 18.98 mg/m^3 (average 8.04mg/m^3, three samples). After the SF100 machine, before BOFA: 597 mg/m^3 (one sample).

For safe operation, the requirements outlined in the Material Safety Data Sheet and the operator manual must be followed. The solvent is not subject to occupational exposure limits under Decree 5/2020 (II.6.) of the Ministry for Innovation and Technology, and no exposure limits are defined in other available databases.

All stated limits apply at a temperature of 273 K and a pressure of 101.3 kPa.

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