

Permit Number: **EPR/BP3135EB**

Operator: **Sensient Flavours Ltd & Volac International Ltd**

Facility: **Felinfach Effluent Treatment Plant**

Form Number: **Water1**

Date of Form: **04/02/19**

**Reporting of emissions to water (other than to sewer) and land for the period from January 1<sup>st</sup> 2018 to December 31<sup>st</sup> 2018**

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
W1	Total volume of treated effluent	2750 m <sup>3</sup> /day	24 hours	2534m3	MCERTS self-monitoring of effluent flow scheme	14 <sup>th</sup> Oct	99%
	Maximum Flow Rate	37 l/s	Instantaneous	0.029		daily	
	pH range	6 - 9	Instantaneous	6.90 – 7.85			99%
	COD	No Limit Set	24 hr composite	435	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer	30/08/18	98%
	BOD	100 mg/l	Spot Sample	9.59		10/04/18	
	Total Suspended Solids	150 mg/l	24hr composite	446		3/07/18	
	Colour (Platinum – Cobalt scale)	No limit set (Hazen Units)	Spot Sample	31.5	Colorimetric analysis at 400 nm	29/08/2018	99%
	Total Copper and its compounds	No Limit Set	IC2 completed	na	As per the Environment Agency's Technical Guidance M18 – Monitoring of Discharges to Water and Sewer		
	Total Lead and its compounds			na			
	Total Cadmium and its compounds			na			
	Total Mercury and its compounds			na			
	Total Phosphate			na			
	Total Ammonia			na			
	Total Nitrogen			na			

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed Byron Williams

Date 04/02/19

(Authorised to sign as representative of Sensient Flavours Limited and Volac International Limited)



