

**CERTIFICATE OF ANALYSIS**

<b>PRODUCT:</b>	ACETATE BUFFER pH 4.50 @25°C DISSOLUTION MEDIA CONCENTRATE
<b>PRODUCT No.:</b>	DMC022-25
<b>LOT NO:</b>	DMC2215L1
<b>DATE OF TEST:</b>	20 <sup>th</sup> November 2015
<b>EXPIRY DATE:</b>	28 <sup>th</sup> November 2017
<b>MEAN pH VALUE:</b>	4.54@25°C
<b>SPECIFICATION:</b>	pH 4.45 – 4.55 @25°C after dilution
<b>DENSITY (g/ml):</b>	1.0244 @25°C
<b>COMPOSITION:</b>	Sodium Hydroxide (30%) 80% Acetic Acid
<b>pH MEASUREMENT:</b>	Tested in accordance with in-house method TPPHB. Measured with a combination glass electrode after multiple point calibration with reference materials.
<b>TRACEABILITY:</b>	Standard buffer solutions are certified traceable to the following U.S. National Institute of Standards and Technology, SRM 185i Potassium Hydrogen Phthalate, SRM 186-I-g Potassium Dihydrogen Phosphate and SRM 186-II-g Disodium Hydrogen Phosphate.

This certificate relates solely to the lot number given above. The uncertainty of measurement has been calculated not to exceed  $\pm 0.02$  pH units at 95% confidence level.

This product complies with the USP & EP requirements for dissolution media when diluted with purified water as instructed.

**Approved By:** QC Technician

*Rubén McDonagh*

**Date:** 20/11/2015