From:	Ryan Dorsey
To:	Au, Doreen
Cc:	Vince Centioni; Scott McNair
Subject:	difference between 1st and 2nd decant in R305
Date:	Friday, June 23, 2017 8:57:18 AM
Attachments:	image001.png

Doreen,
I hope you are doing well. Below is the answer I owe you for the difference between the decants in R305:

1st decant:
Consists of water, salts resulting from nucleophilic substitution and neutralization, and possible trace amine residual. The salts contained in this decant would be formed by neutralization of HCl with sodium bicarbonate and HCl with sodium carbonate.

2nd decant:
Consists of water, salts resulting from nucleophilic substitution and neutralization, and possible trace amine residual (different amine used). The salts contained in this decant would be formed by neutralization of HCl with NaOH solution.

They are essentially very similar, only we use a different amine in the nucleophilic substitution and a different base for neutralization (but all bases result in the same salt, NaCl).

If you need any further clarification or have further questions, please let me know.

Best regards,

Ryan Dorsey
Production Manager

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