**Rubric for Cannizzaro Reaction (\_\_/25 pts): due 21 April in Lab**

Benzoic acid (Molecular weight = 122.1 g/mol) Benzyl alcohol (Molecular weight =108.1 g/mol)

melting point range 121- 122 oC refractive index, nd20 = 1.539





**What to Report**  **What to Report**

0) Your name \_\_/1

1)IR +Table of IR bands obs. vs. expected\_\_/5 IR+Table of IR bands obs vs. expected\_\_/5

(main bands must match for full credit)

2)melting point \_\_\_/3 nd20 observed \_\_/3

(in range 100-122o ok) (1.52-1.55 ok)

3)% yield =100\* mol benzoic acid % yield = 100\*mol benzyl alcohol

½ mol initial benzaldehyde ½ mol initial benzaldehyde

\_\_\_/3 \_\_\_/3

(> 10% ok) (>10% ok)

4) color/appearance of crystal color/appearance of liquid

\_\_\_/1 \_\_\_/1

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