

How to Perform a Titration for Acid (Low pH) Chemicals

Step One: Rinse the sample vial with the test solution.

Step Two: Fill the test tube to the **10 ml** mark with the solution to be tested.



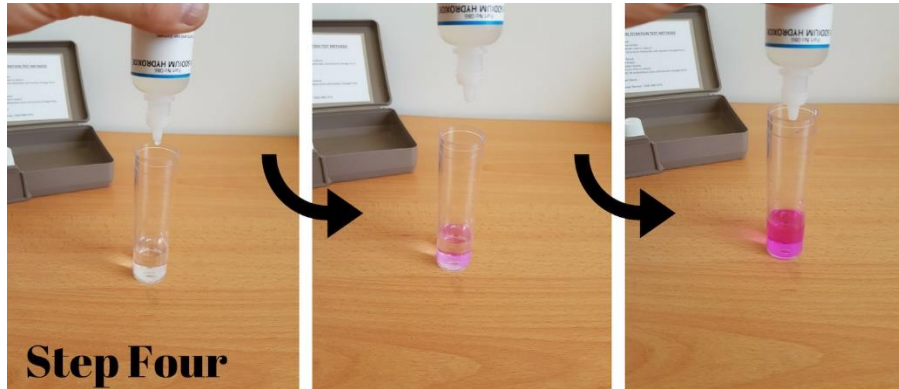
Step Three: Add 3-5 drops of Indicator P (#014) and mix. Solution will remain clear in colour (unchanged).



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Step Four: Titrate with reagent 1.0N Sodium Hydroxide (#086) one drop at a time, counting and mixing between each drop until the solution changes from *colourless* to *pink*.



Step Five: Record number of drops required to reach *pink* end point, this is your final titration result.



Step Six: Consult Product Specification Sheet (PSR) to calculate product concentration. PSR's for all Velocity Vehicle Care products are available for download at www.velocityvehiclecare.com

Velocity Vehicle Care
Product Specification Report
BLUE CORAL[®] AHS LO PH 1100

PRODUCT DESCRIPTION:
A highly concentrated, non-flammable, non-toxic, non-corrosive, non-oxidizing, non-bleaching, non-staining, non-drying, non-foaming, high lubrication blend of low pH acid surfactant agents.

FEATURES & BENEFITS:
- High foaming, high lubrication blend of low pH acid surfactant agents.
- Non-corrosive to most metals and alloys.
- Non-drying, non-bleaching, non-staining, non-foaming, non-oxidizing, non-bleaching, non-staining, non-drying, non-foaming.

PHYSICAL CHARACTERISTICS:
- Appearance: Clear, liquid
- Color: Colorless
- Odor: Odorless
- pH: High
- Specific Gravity: 1.05
- Density (20°C): 1.05
- Freezing Point (°C): -10
- Boiling Point (°C): 100
- Flash Point (°C): None
- Solubility: Soluble in water
- Compatibility: Compatible with most alkaline cleaners
- Shelf Life: 12 months

PACKAGE SIZE & PRODUCT NUMBER:
- Size: 1.0L (33.8 FL OZ)
- Product Number: 086001

BLUE CORAL[®] AHS LO PH 1100 (PSR)
APPLICATION GUIDE - USE INSTRUCTIONS

Application: Acid
- Dilution: 1:100 (1:100)
- pH: 1.05

TITRATION PROCEDURE:
1. Add 2 drops of Phenolphthalein Indicator (PH 1100) to the solution to be tested.
2. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
3. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
4. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
5. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
6. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
7. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
8. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
9. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.
10. Add 1 drop of 1.0N Sodium Hydroxide (1.0N) to the solution and mix.

TITRATION CHART:

Ratio	Time (min)
1:100	2
1:200	3
1:300	4
1:400	5
1:500	6
1:600	7
1:700	8
1:800	9
1:900	10
1:1000	11

HEALTH, SAFETY, STORAGE & FIRST AID INFORMATION: (See Product SDS)

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