| TABLE 6 Color Ranges of Various Indicators Used in Titrations | | | | |
|---|-------------------------------|-------------------------------|--|---------------------|
| Titration type | Indicator | Acid color | Transition color | Base color |
| Strong acid/ strong base | methyl red (4.4–6.2) | 725 al. 195 | 735 mL 152 100 75 50 | 773 s.a. 635 |
| | | 3 4 5 | 6 7 8 | 9 10 11 |
| | bromthymol blue (6.2–7.6) | 7125 mL 2 97 50 | 725 mL +355 -725 -735 -735 | 125 ml 255 |
| Strong acid/ weak base | methyl orange (3.1–4.4) | 775 mL 1975 | 7725 mL 7575 | 723 al. 195 |
| | bromphenol blue (3.0–4.6) | 0 1 2 | 3 4 5 | 6 7 8 |
| Weak acid/ strong base | phenolphthalein (8.0–10.0) | 705 ml. 1530 150 150 | 73 el. 155 - 73 - 50 | 735 ml. 195 |
| | phenol red (6.4–8.0) | 4 5 6 | 7 8 9 | 10 11 12 |