

Sabro IPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **62**
- SRM **5.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------|--------------|--------|-----|
| Grain | Fawcett - Golden Promis | 3.6 kg (90%) | 79.5 % | 6 |
| Grain | Bestmalz - Carapils | 0.2 kg (5%) | 75 % | 5 |
| Grain | Acid Malt | 0.2 kg (5%) | 58.7 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------|--------|----------|------------|
| First Wort | Sabro | 15 g | 60 min | 15 % |
| Boil | Sabro | 5 g | 20 min | 15 % |
| Boil | Sabro | 5 g | 15 min | 15 % |
| Boil | Sabro | 5 g | 10 min | 15 % |
| Boil | Sabro | 5 g | 5 min | 15 % |
| Aroma (end of boil) | Sabro | 5 g | 0 min | 15 % |
| Whirlpool | Sabro | 30 g | 0 min | 15 % |
| Dry Hop | Saro | 80 g | 3 day(s) | 15 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--------------------------|-----|--------|--------|-------------|
| Wyeast - American Ale II | Ale | Liquid | 200 ml | Wyeast Labs |
|--------------------------|-----|--------|--------|-------------|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gpis piwowarski | 1 g | Mash | 0 min |
| Fining | Whirfloc | 1 g | Boil | 15 min |