

Bohemian rhapsody

- Gravity **23.8 BLG**
- ABV **10.9 %**
- IBU **90**
- SRM **16.1**
- Style **American Barleywine**

Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **21.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Steps

- Temp **67 C**, Time **90 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **20.3 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **9.5 liter(s)** of **76C** water or to achieve **21.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|--------|------|
| Grain | Thomas Fawcett Halcyon | 2 kg (24.7%) | 80.5 % | 5 |
| Grain | Simpsons - Maris Otter | 2 kg (24.7%) | 81 % | 6 |
| Grain | Strzegom Wiedeński | 1 kg (12.3%) | 79 % | 10 |
| Grain | Monachijski | 1 kg (12.3%) | 80 % | 16 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.1 kg (1.2%) | 73 % | 1001 |
| Grain | Pale Malt (2 Row) Bel | 1.5 kg (18.5%) | 80 % | 6 |
| Grain | Weyermann - Melanoiden Malt | 0.25 kg (3.1%) | 81 % | 53 |
| Grain | Biscuit Malt | 0.25 kg (3.1%) | 79 % | 45 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | Magnum | 60 g | 60 min | 13.5 % |
| Boil | East Kent Goldings | 50 g | 15 min | 5.1 % |
| Boil | Nelson Sauvín | 50 g | 5 min | 11 % |
| Boil | East Kent Goldings | 50 g | 0 min | 5.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--|------|------|--------|-----------------|
| Mangrove Jack's M42 New World Strong Ale | Ale | Dry | 20 g | Mangrove Jack's |

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------------|--------|-----------|-----------|
| Flavor | Płatki dębowe | 10 g | Secondary | 10 day(s) |