

No worries! you'r Down Under!

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **58**
- SRM **4.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **10 %**
- Size with trub loss **11 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **13.4 liter(s)**

Mash information

- Mash efficiency **89 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **7 liter(s)**
- Total mash volume **9.8 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **7 liter(s)** of strike water to **77.6C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **9.2 liter(s)** of **76C** water or to achieve **13.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 2.8 kg (100%) | 80 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------|--------|----------|------------|
| Boil | Magnat | 15 g | 60 min | 11.2 % |
| Whirlpool | Galaxy | 28 g | 15 min | 15 % |
| Whirlpool | Cascade | 28 g | 15 min | 6 % |
| Dry Hop | Galaxy | 30 g | 5 day(s) | 15 % |
| Dry Hop | Cascade | 30 g | 5 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 10 g | Boil | 10 min |