

brett apa

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU ---
- SRM **4.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **32 liter(s)**
- Trub loss **5 %**
- Size with trub loss **33.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **42.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **31.5 liter(s)**

Steps

- Temp **69 C**, Time **90 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **78.8C**
- Add grains
- Keep mash **90 min** at **69C**
- Sparge using **28.8 liter(s)** of **76C** water or to achieve **42.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|--------------|-------|-----|
| Grain | Briess - Pale Ale Malt | 7 kg (77.8%) | 80 % | 7 |
| Grain | Oats, Flaked | 1 kg (11.1%) | 80 % | 2 |
| Grain | Briess - Carapils Malt | 1 kg (11.1%) | 74 % | 3 |