

Cascade Blonde

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **22**
- SRM **3.8**
- Style **Blonde Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **72 C**, Time **60 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **80.7C**
- Add grains
- Keep mash **60 min** at **72C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|-------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 5 kg (100%) | 81 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Cascade | 75 g | 10 min | 7.9 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------------|------|-------|--------|------------|
| WLP099 - Super High Gravity Ale Yeast | Ale | Slant | 200 ml | White Labs |