

## wc ipa

---

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **72**
- SRM **3.9**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.4 liter(s)**
- Total mash volume **27.2 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **68 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **20.4 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **18.1 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Pilzneński           | 5.5 kg (80.9%) | 81 %  | 4   |
| Grain | Pszeniczny           | 1 kg (14.7%)   | 85 %  | 4   |
| Grain | Weyermann - Carapils | 0.3 kg (4.4%)  | 78 %  | 4   |

### Hops

| Use for             | Name    | Amount | Time     | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil                | Chinook | 30 g   | 60 min   | 13 %       |
| Boil                | Mosaic  | 30 g   | 60 min   | 10 %       |
| Boil                | Mosaic  | 30 g   | 15 min   | 10 %       |
| Boil                | Mosaic  | 30 g   | 5 min    | 10 %       |
| Aroma (end of boil) | Mosaic  | 60 g   | 0 min    | 10 %       |
| Dry Hop             | Mosaic  | 60 g   | 3 day(s) | 10 %       |

### Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 11 g   | Fermentis  |

## Extras

| Type        | Name | Amount | Use for | Time   |
|-------------|------|--------|---------|--------|
| Fining      | mech | 5 g    | Boil    | 15 min |
| Water Agent | gips | 5 g    | Mash    | 60 min |