

## Old school IPA #2

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **49**
- SRM **9.4**

### Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.6 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **14 liter(s)**

### Mash information

- Mash efficiency **73 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.8 liter(s)**
- Total mash volume **15.2 liter(s)**

### Steps

- Temp **70 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **11.8 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **70C**
- Keep mash **5 min** at **78C**
- Sparge using **5.6 liter(s)** of **76C** water or to achieve **14 liter(s)** of wort

### Fermentables

| Type  | Name                   | Amount          | Yield | EBC |
|-------|------------------------|-----------------|-------|-----|
| Grain | Strzegom Pilzneński    | 2.2 kg (65.1%)  | 80 %  | 4   |
| Grain | Strzegom Wiedeński     | 0.53 kg (15.7%) | 79 %  | 10  |
| Grain | Strzegom Karmel<br>150 | 0.25 kg (7.4%)  | 75 %  | 150 |
| Grain | Viking Pale Ale malt   | 0.4 kg (11.8%)  | 80 %  | 5   |

### Hops

| Use for   | Name    | Amount | Time   | Alpha acid |
|-----------|---------|--------|--------|------------|
| Boil      | Chinook | 18 g   | 60 min | 11.5 %     |
| Boil      | Cascade | 10 g   | 10 min | 6 %        |
| Boil      | Mosaic  | 10 g   | 10 min | 10 %       |
| Whirlpool | Cascade | 10 g   | 0 min  | 6 %        |
| Whirlpool | Mosaic  | 10 g   | 0 min  | 10 %       |

### Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 300 ml | Fermentis  |

### Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|        |           |       |      |        |
|--------|-----------|-------|------|--------|
| Fining | whirflock | 1.3 g | Boil | 10 min |
|--------|-----------|-------|------|--------|