

## 50th Beerthday session chillout

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **36**
- SRM **3.8**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

### Fermentables

| Type  | Name              | Amount        | Yield | EBC |
|-------|-------------------|---------------|-------|-----|
| Grain | Pilzneński        | 4 kg (72.7%)  | 81 %  | 4   |
| Grain | Pszeniczny        | 1 kg (18.2%)  | 85 %  | 4   |
| Grain | Płatki pszeniczne | 0.5 kg (9.1%) | 60 %  | 3   |

### Hops

| Use for | Name          | Amount | Time  | Alpha acid |
|---------|---------------|--------|-------|------------|
| Boil    | Riwaka        | 50 g   | 5 min | 3.3 %      |
| Boil    | Nelson Sauvin | 50 g   | 5 min | 11 %       |
| Boil    | Superdelic    | 50 g   | 5 min | 9 %        |
| Boil    | Citra         | 50 g   | 5 min | 12 %       |

### Yeasts

| Name  | Type | Form  | Amount | Laboratory |
|-------|------|-------|--------|------------|
| US-05 | Ale  | Slant | 150 ml | ---        |

### Extras

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

|       |            |       |      |        |
|-------|------------|-------|------|--------|
| Other | Łuska Ryżu | 200 g | Mash | 60 min |
|-------|------------|-------|------|--------|

## Notes

- Łuska ryżu robi robotę 25 minut filtracji.  
*May 12, 2024, 2:08 AM*