

Wyspiarz

- Gravity **10 BLG**
- ABV **4 %**
- IBU **31**
- SRM **4.4**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **6 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **27 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **76C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **27 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|--------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3.8 kg (95%) | 85 % | 7 |
| Grain | Carahell | 0.2 kg (5%) | 77 % | 26 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------|--------|--------|------------|
| Boil | Pioneer | 20 g | 60 min | 9.5 % |
| Boil | Wiliamiatte | 20 g | 15 min | 5.2 % |
| Aroma (end of boil) | Pioneer | 10 g | 5 min | 9.5 % |
| Aroma (end of boil) | Wiliamiatte | 10 g | 5 min | 5.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11.5 g | Safale |