

GIEKON XXX

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **47**
- SRM **14.5**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.9 liter(s)**
- Total mash volume **15.8 liter(s)**

Steps

- Temp **65 C**, Time **10 min**
- Temp **72 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **11.9 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **10 min** at **65C**
- Keep mash **60 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.1 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.1 kg (78.5%) | 80 % | 30 |
| Grain | Strzegom Bursztynowy | 0.45 kg (11.4%) | 70 % | 49 |
| Grain | Karmelowy Czerwony | 0.2 kg (5.1%) | 75 % | 59 |
| Grain | Karmelowy Jasny 30EBC | 0.2 kg (5.1%) | 75 % | 100 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|---------|--------|--------|------------|
| Boil | Bohemie | 30 g | 60 min | 9.19 % |
| Boil | Bohemie | 15 g | 15 min | 9.19 % |
| Whirlpool | Bohemie | 15 g | 0 min | 9.19 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|------|------|--------|------------|
| Mauribrew Ale Y514 | Ale | Dry | 11 g | Mauribrew |