

IMPERIAL NZ IPA

- Gravity **19.6 BLG**
- ABV **8.6 %**
- IBU **40**
- SRM **8.3**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **21.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 4.5 kg (67.2%) | 85 % | 7 |
| Grain | weyermann Monachijski typ I | 1 kg (14.9%) | 79 % | 16 |
| Grain | Carahell | 0.5 kg (7.5%) | 77 % | 26 |
| Grain | Pszeniczny | 0.5 kg (7.5%) | 85 % | 4 |
| Grain | Weyermann - Rye Malt | 0.2 kg (3%) | 85 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | Magnum | 30 g | 50 min | 10.9 % |
| Aroma (end of boil) | Taiheke | 15 g | 10 min | 6.7 % |
| Aroma (end of boil) | Souther cross | 20 g | 5 min | 11 % |
| Whirlpool | Souther cross | 20 g | 0 min | 11 % |
| Whirlpool | Taiheke | 15 g | 0 min | 6.7 % |
| Dry Hop | Taiheke | 30 g | 7 day(s) | 6.7 % |
| Dry Hop | Souther cross | 30 g | 7 day(s) | 11 % |

| | | | | |
|---------|---------------|------|----------|-------|
| Dry Hop | Taiheke | 30 g | 4 day(s) | 6.7 % |
| Dry Hop | Souther cross | 20 g | 4 day(s) | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------|------|--------|--------|------------|
| FM53 Voss kveik | Ale | Liquid | 150 ml | FM |