

West Coast IPA v7 #63

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **71**
- SRM **4.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.4 liter(s)**
- Boil time **100 min**
- Evaporation rate **14 %/h**
- Boil size **27.1 liter(s)**

Mash information

- Mash efficiency **85.7 %**
- Liquor-to-grist ratio **3.93 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **25.1 liter(s)**

Steps

- Temp **64 C**, Time **70 min**
- Temp **77 C**, Time **7 min**

Mash step by step

- Heat up **20 liter(s)** of strike water to **69.6C**
- Add grains
- Keep mash **70 min** at **64C**
- Keep mash **7 min** at **77C**
- Sparge using **12.2 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------|----------------|-------|-----|
| Grain | Viking pilzneński | 3 kg (58.8%) | 80 % | 4 |
| Grain | Viking pale ale | 2.1 kg (41.2%) | 79 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|----------|------------|
| Boil | Warrior | 25 g | 60 min | 14.7 % |
| Aroma (end of boil) | Chinook PL | 30 g | 15 min | 10 % |
| Aroma (end of boil) | Chinook PL | 20 g | 10 min | 10 % |
| Aroma (end of boil) | Chinook PL | 10 g | 5 min | 10 % |
| Aroma (end of boil) | Cascade US | 40 g | 5 min | 7.1 % |
| Aroma (end of boil) | Cascade PL | 50 g | 1 min | 5.2 % |
| Dry Hop | Chinook PL | 40 g | 3 day(s) | 10 % |
| Dry Hop | Cascade PL | 90 g | 3 day(s) | 5.2 % |
| Dry Hop | Cascade US | 20 g | 3 day(s) | 7.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|-------|--------|------------------|
| FM52 Amerykański Sen | Ale | Slant | 150 ml | Fermentum Mobile |

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Extras

| Type | Name | Amount | Use for | Time |
|-------------|------------------------|--------|---------|-------|
| Water Agent | gips | 5.5 g | Mash | --- |
| Water Agent | kwask mlekowy 80% [ml] | 4.94 g | Mash | --- |
| Water Agent | chlerek wapnia [ml] | 1.72 g | Mash | --- |
| Water Agent | epsom | 2 g | Mash | --- |
| Water Agent | mech irlandzki | 3 g | Boil | 5 min |