

Pacific Gem

- Gravity **16.6 BLG**
- ABV ---
- IBU **51**
- SRM **13.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **10 %**
- Size with trub loss **21.1 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **26.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

Steps

- Temp **67 C**, Time **65 min**

Mash step by step

- Heat up **18.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **65 min** at **67C**
- Sparge using **14.7 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Pilzneński | 4 kg (65.6%) | 81 % | 4 |
| Grain | Strzegom Monachijski typ I | 1 kg (16.4%) | 79 % | 16 |
| Grain | Pszeniczny | 0.5 kg (8.2%) | 85 % | 4 |
| Grain | Caramunich® typ I | 0.3 kg (4.9%) | 73 % | 80 |
| Grain | Special B Castle | 0.3 kg (4.9%) | 70 % | 350 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|----------|------------|
| Boil | Pacifica (NZ) | 25 g | 60 min | 4.5 % |
| Boil | Pacific Gem | 25 g | 60 min | 12 % |
| Boil | Pacifica (NZ) | 15 g | 20 min | 4.5 % |
| Boil | Pacifica (NZ) | 10 g | 10 min | 4.5 % |
| Aroma (end of boil) | Pacific Gem | 25 g | 5 min | 12 % |
| Dry Hop | Pacifica (NZ) | 50 g | 3 day(s) | 4.5 % |
| Dry Hop | Pacific Gem | 50 g | 3 day(s) | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|----------------------------|-----|--------|--------|---------|
| FM10 O czym szumią wierzby | Ale | Liquid | 300 ml | starter |
|----------------------------|-----|--------|--------|---------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|------|--------|---------|--------|
| Fining | Mech | 6 g | Boil | 15 min |